



THE  
INDIAN OILSEED ATLAS

*Issued by*

**THE INDIAN CENTRAL OILSEEDS COMMITTEE**  
**HYDERABAD**

1958

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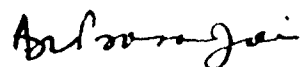
MINISTER FOR  
FOOD & AGRICULTURE,  
INDIA, NEW DELHI.  
July 15, 1958.

## Foreword

Oilseed crops play an important role in the agricultural economy of India. They occupy a tenth of the total cropped area and it is estimated that the value of the produce from groundnut, rape-mustard, sesamum, castor and linseed which are the five major oilseed crops, was of the order of about Rs. 268 crores in 1955-56. These crops provide oils which are consumed in human diet as well as in industries for the manufacture of soaps, paints, varnishes, hair-oils, lubricants and greases. After extraction of oils from the seeds, the residual cake is used for cattle feed and manure. The oilseed crops are required not only for internal consumption but also for export and are important foreign exchange earners. Realizing the importance of these crops, the target of production in the Second Five-Year Plan has been fixed at 75,50,000 tons, representing an increase of 32% over the actual production in the last year of the First Five-Year Plan. Special efforts are being made to achieve the target in production mainly through the application of intensive cultivation measures.

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I am glad that the Indian Central Oilseeds Committee, which is concerned with research on oilseed crops, has brought out an Atlas containing maps and data on the area, production, utilization, export and prices of the five major oilseeds. I hope the information contained in this Atlas would prove useful to all persons who are interested in oilseeds whether as agriculturists, traders, millers as well as industrialists.



Ajit Prasad Jain

## Preface

At the 10th Annual General Meeting of the Indian Central Oilseeds Committee held on the 25th January, 1957, I suggested to Dr. R. Sankaran, Secretary of the Committee that an Atlas on the major oilseed crops of India should be produced. The Committee already had a number of maps and charts giving information regarding production and distribution of groundnut, rape-mustard, sesamum, castor and linseed. Apart from these, there was a good deal of valuable data available regarding the yield per acre, exports, prices and utilization etc. in respect of these crops. All this material has been compiled in the form of an Atlas which I am sure will be useful to all who are concerned with the administration of Agriculture, whether in the States or in the Government of India. It will also be of considerable use to students and teachers in agricultural colleges as well as to growers, traders, oil millers and industrialists.



M. S. Randhawa

*Vice-President,*

*Indian Council of Agricultural Research.*

New Delhi,  
the 15th July, 1958.

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**THE**  
**INDIAN OILSEED ATLAS**

TABLE No. 1  
**AREA AND PRODUCTION OF THE FIVE MAJOR OILSEEDS IN INDIA**  
*(1955-56 Final Estimates)*

Serial No.	State				Area in thousand acres	Percentage of total area	Production in thousand tons	Percentage of total production
1.	Andhra Pradesh	..	..	..	4,692	15.9	1,205	21.5
2.	Assam	..	..	..	301	1.0	56	1.0
3.	Bihar	..	..	..	495	1.7	64	1.1
4.	Bombay	..	..	..	6,120	20.8	1,154	20.6
5.	Kerala	..	..	..	84	0.3	21	0.4
6.	Madhya Pradesh	..	..	..	3,407	11.6	450	8.0
7.	Madras	..	..	..	2,182	7.4	872	15.6
8.	Mysore	..	..	..	2,512	8.5	532	9.5
9.	Orissa	..	..	..	519	1.8	64	1.1
10.	Punjab	..	..	..	896	3.0	149	2.7
11.	Rajasthan	..	..	..	1,883	6.4	237	4.2
12.	Uttar Pradesh	..	..	..	5,949	20.2	726	13.0
13.	West Bengal	..	..	..	325	1.1	47	0.9
14.	Jammu & Kashmir	..	..	..	70	0.2	15	0.3
15.	Delhi	..	..	..	2	—	—	—
16.	Himachal Pradesh	..	..	..	14	—	1	—
17.	Tripura	..	..	..	20	0.1	3	0.1
	<b>India</b>	..	..	..	<b>29,471</b>	<b>100.0</b>	<b>5,596</b>	<b>100.0</b>
					<b>=11,926.5</b> '000 hectares		<b>=5,685.8</b> '000 metric tons	

*Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

# OILSEED MAP OF INDIA

(1955-56 FINAL ESTIMATES)

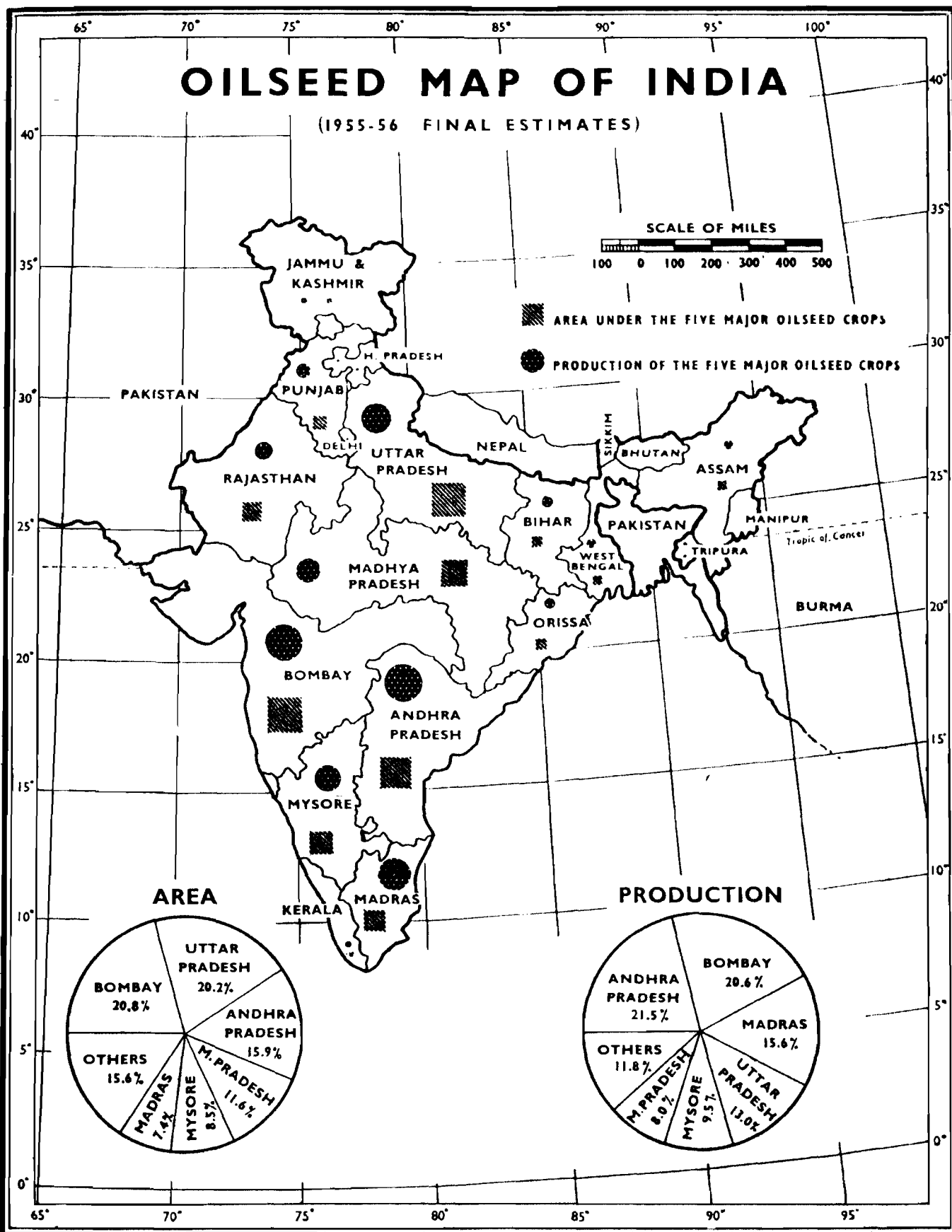


TABLE No. 2  
**PROGRESS OF OILSEED PRODUCTION IN INDIA**

Serial No.	State					1950-51 (Actuals)	1955-56 (Final Estimates)	1960-61 (Targets)
						( T H O U S A N D    T O N S )		
1.	Andhra Pradesh	..	..	..	..	1,155	1,205	1,550
2.	Bombay	..	..	..	..	982	1,154	1,500
3.	Uttar Pradesh	..	..	..	..	767	726	1,180
4.	Madras	..	..	..	..	789	872	1,100
5.	Madhya Pradesh	..	..	..	..	339	450	700
6.	Mysore	..	..	..	..	574	532	700
7.	Rajasthan	..	..	..	..	115	237	244
8.	Punjab	..	..	..	..	109	149	185
9.	Bihar	..	..	..	..	58	64	115
10.	Orissa	..	..	..	..	56	64	90
11.	West Bengal	..	..	..	..	58	47	70
12.	Assam	..	..	..	..	55	56	65
13.	Kerala	..	..	..	..	15	21	25
14.	Jammu & Kashmir	..	..	..	..	—	15	20
15.	Tripura	..	..	..	..	3	3	4
16.	Himachal Pradesh	..	..	..	..	1	1	2
<b>India</b>	<i>british</i>	..	..	..	..	<b>5,076</b>	<b>5,596</b>	<b>7,550</b>
	<i>metric</i>	..	..	..	..	<b>5,157.5</b>	<b>5,685.8</b>	<b>7,671.2</b>

*Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

# PROGRESS OF OILSEED PRODUCTION IN INDIA

## FIVE MAJOR CROPS

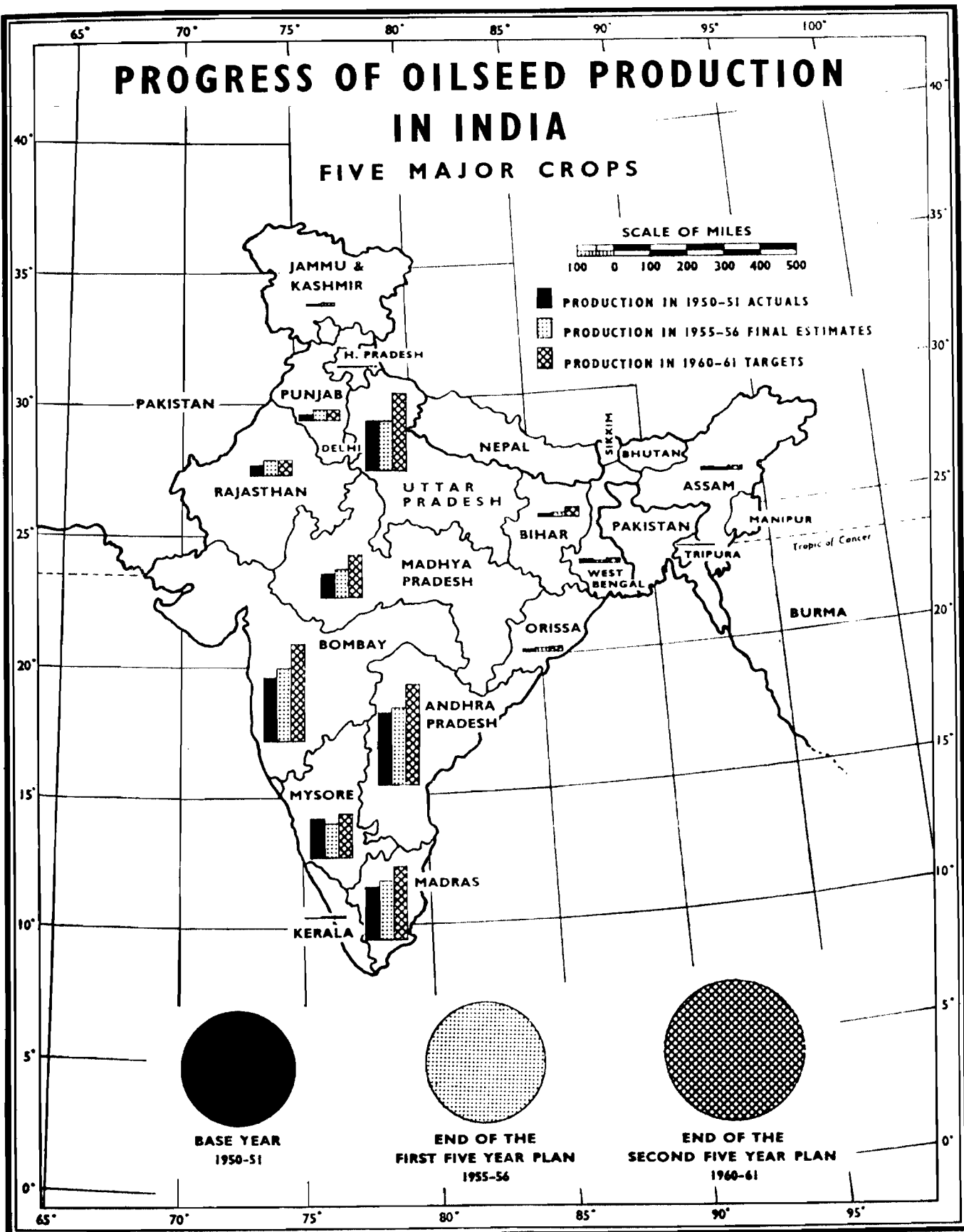


TABLE No. 3

## AREA UNDER MAJOR OILSEED CROPS IN INDIA

Crop	Average 1936-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56	
(THOUSAND ACRES)										
Groundnut	..	8,022	9,165	9,832	11,106	12,151	11,848	10,495	13,548	12,585
Rape-Mustard	..	4,269	4,633	4,781	5,118	5,934	5,201	5,545	6,025	6,262
Sesamum	..	4,068	4,644	5,055	5,445	5,942	5,874	6,351	6,501	5,738
Linseed	..	3,736	3,761	3,759	3,467	3,409	3,366	3,428	3,354	3,424
Castor	..	1,248	1,383	1,458	1,372	1,437	1,326	1,346	1,394	1,462
Total	..	21,343	23,586	24,885	26,508	28,873	27,615	27,165	30,822	29,471
'000 hectares		8,637.2	9,544.9	10,070.6	10,727.4	11,684.5	11,175.4	10,993.3	12,473.2	11,926.5

Source : Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

# ACREAGE UNDER MAJOR OILSEED CROPS IN INDIA

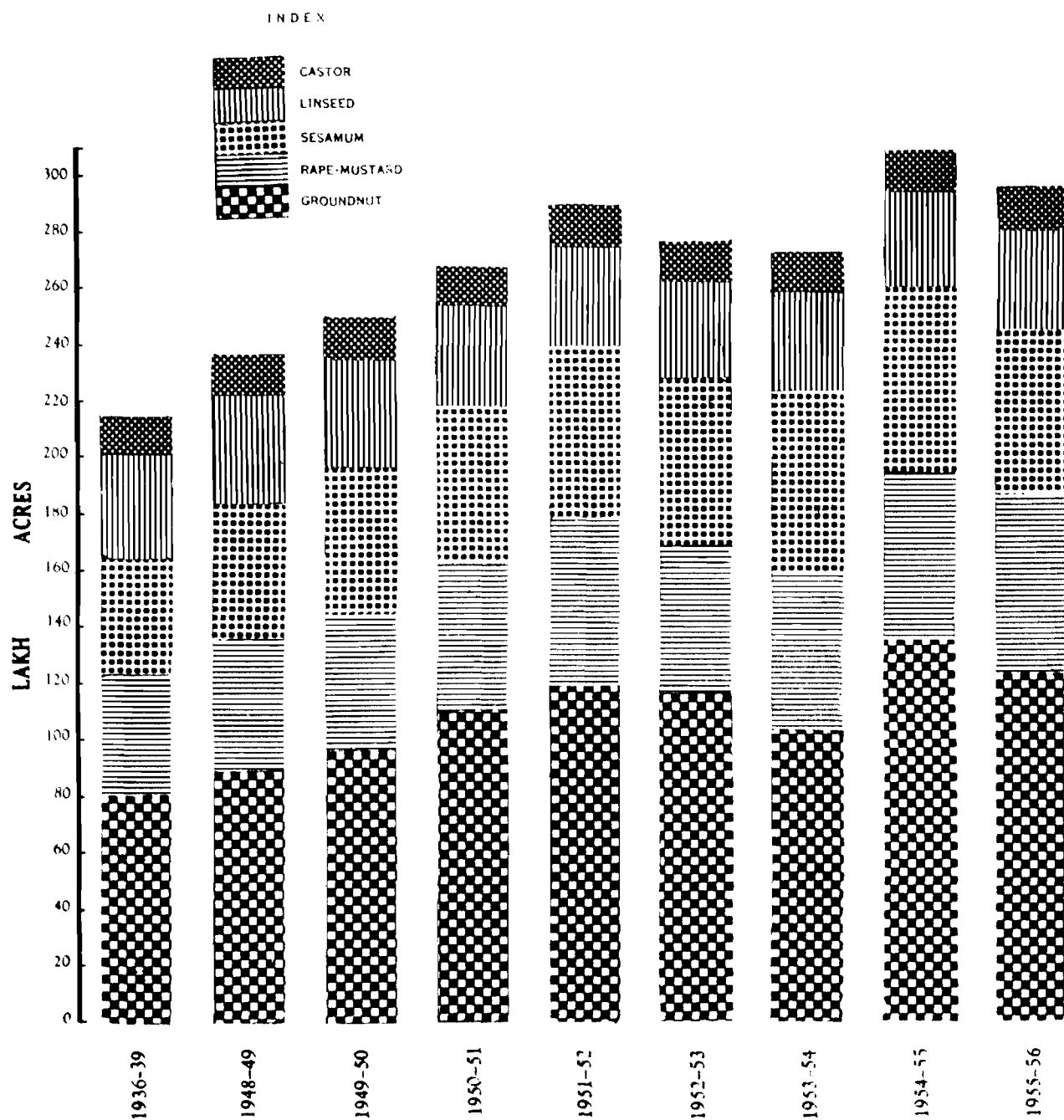


TABLE No. 4

## PRODUCTION OF MAJOR OILSEED CROPS IN INDIA

Crop	Average 1936-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56

Source : Directorate of Economics &amp; Statistics, Ministry of Food and Agriculture, Government of India.



# PRODUCTION OF MAJOR OILSEED CROPS IN INDIA

## INDEX

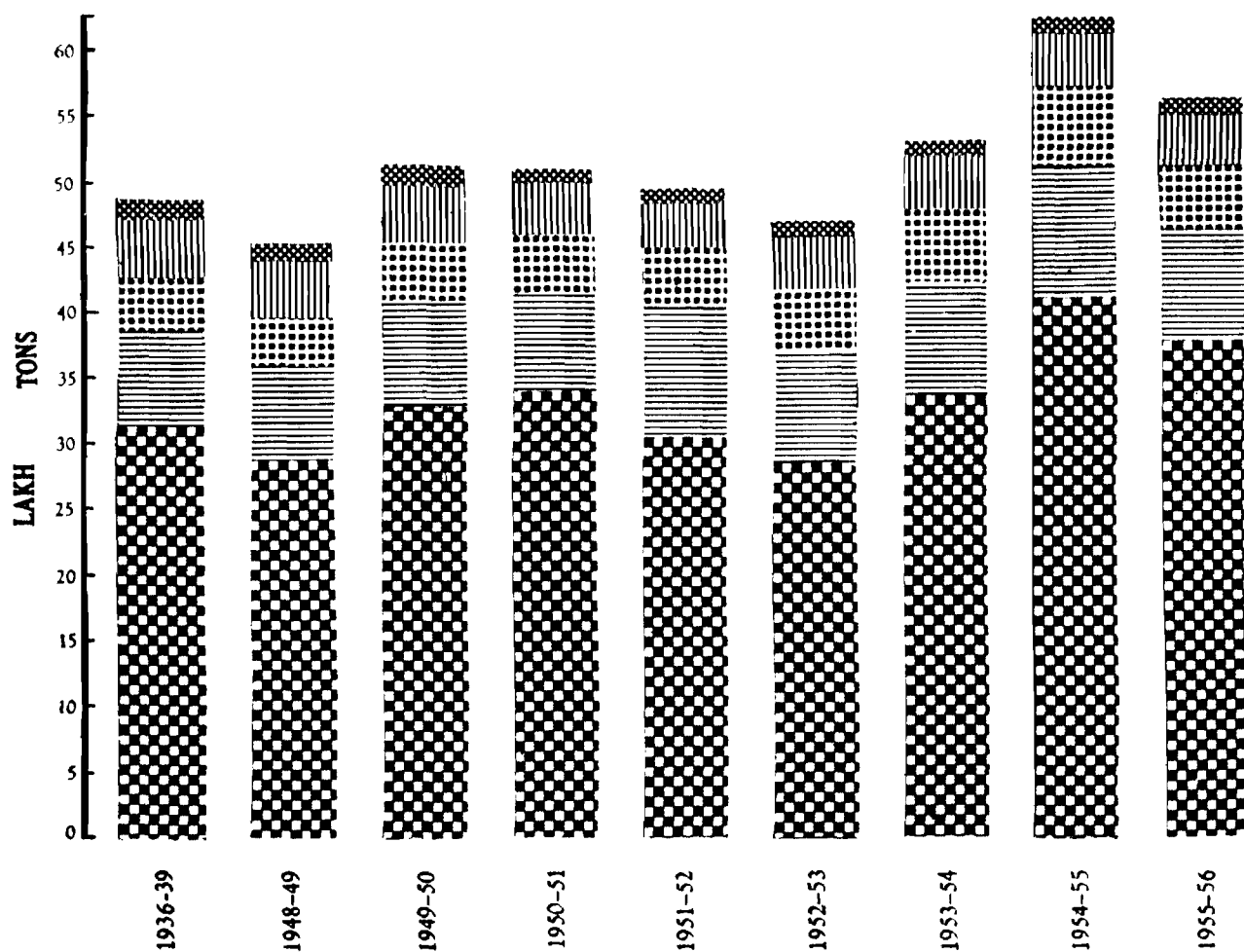
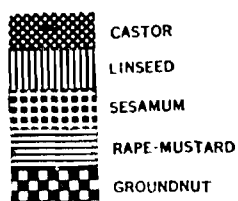


TABLE No. 5  
**ESTIMATED UTILISATION OF THE FIVE MAJOR OILSEEDS IN INDIA**  
*(As percentage of production during the triennium ending 1955-56)*

Serial No.	Use	Groundnut	Sesamum	Rape- Mustard	Linseed	Castor
1.	Export .. .. .	0.7	0.2	—	—	—
2.	Seed for sowing purposes .. ..	12.0	2.3	1.5	5.0	5.9
3.	Edible and or domestic purposes ..	7.6	18.9	8.4	7.1	—
4.	Oil Extraction .. .. .	79.7	78.6	90.1	87.9	94.1
		(				)
	<b>Total ..</b>			<b>100.0</b>		

*Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

## ESTIMATED UTILISATION OF THE FIVE MAJOR OILSEEDS IN INDIA

(As percentage of production during the triennium ending 1955-56)

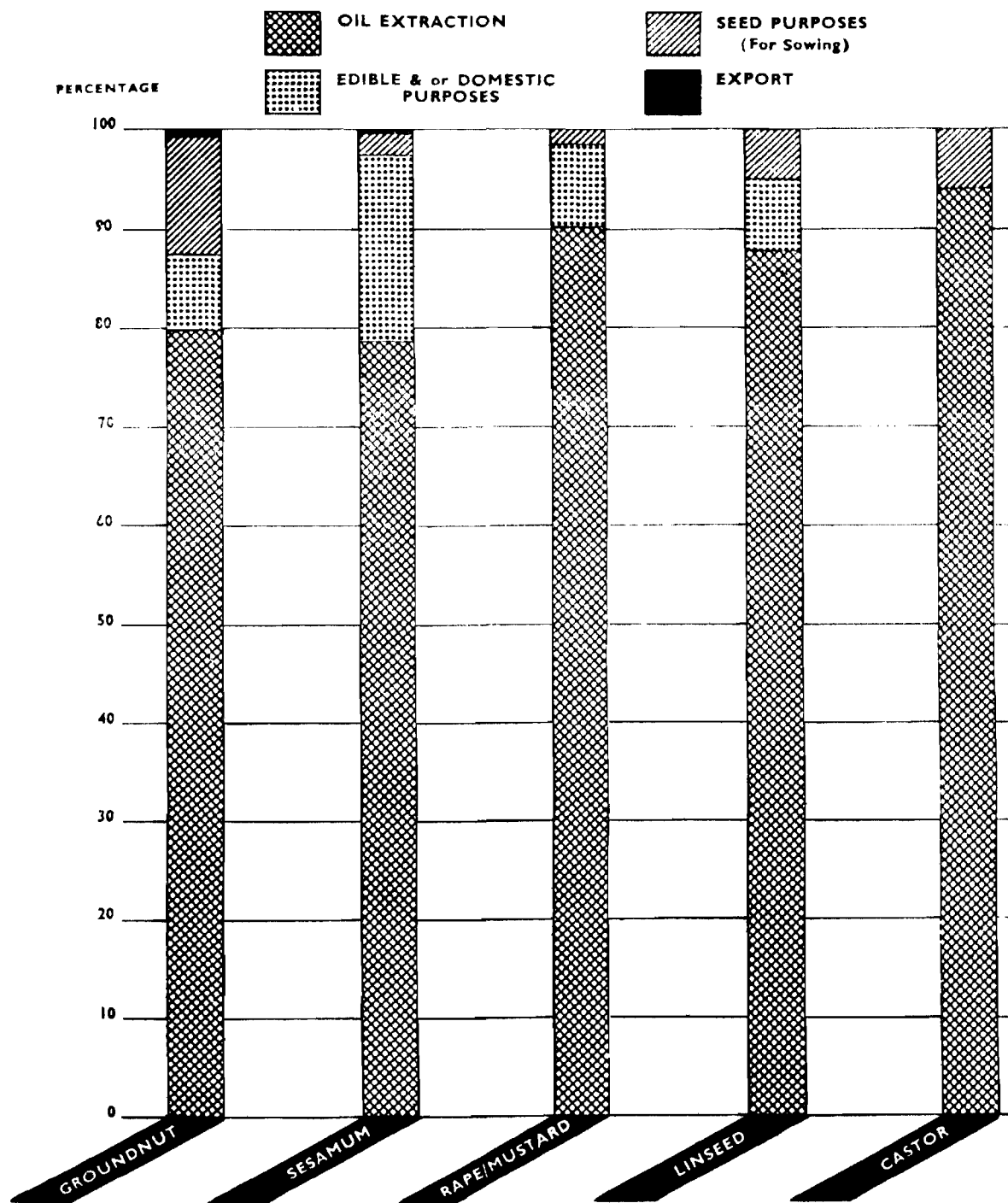


TABLE No. 6

## ESTIMATED UTILISATION OF THE FIVE MAJOR OILS IN INDIA

*(As percentage of estimated total internal utilisation during the triennium ending 1955-56)*

Serial No.	Use	Groundnut	Sesamum	Rape- Mustard	Linseed	Castor
1.	Non-edible purposes (domestic and toilet including Soap) ..	3.1	12.5	0.2	0.7	2.4
2.	Edible purposes .. ..	63.1	77.3	98.9	35.5	—
3.	Vegetable Ghee (Vanaspati manufacture) .. ..	33.8	10.2	—	—	—
4.	Industrial uses (Lubricants, Paints, Varnishes etc.) .. ..	—	—	0.9	63.8	97.6
		(				
<b>Total</b> ..		<b>100.0</b>				

*Source : Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

## ESTIMATED UTILISATION OF THE FIVE MAJOR OILS IN INDIA

(As percentage of estimated total internal utilisation during the triennium ending 1955-56)

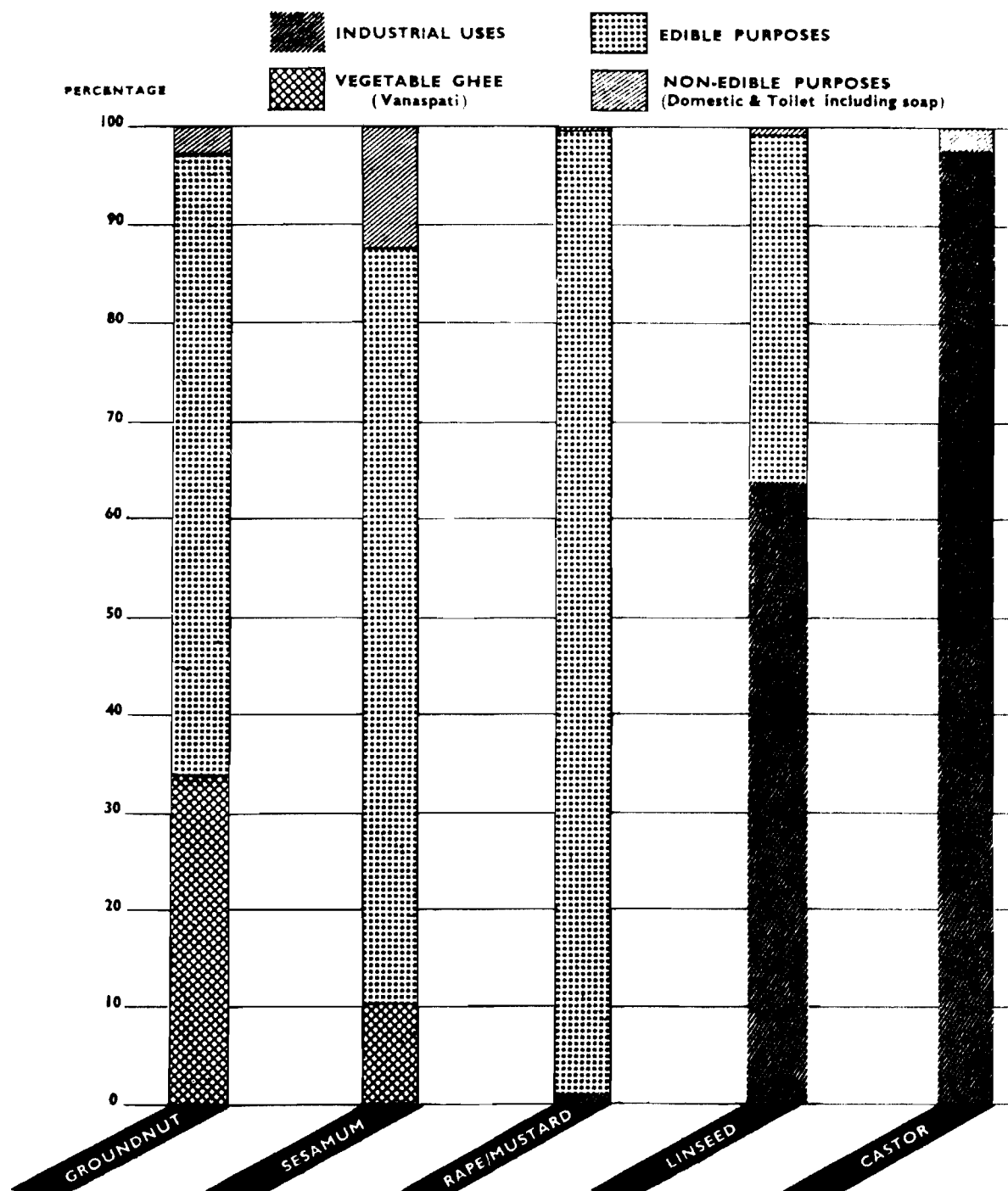


TABLE No. 7

**I. QUANTITIES (in thousand tons) OF THE FIVE MAJOR OILSEEDS, OILS AND OILCAKES EXPORTED FROM INDIA BY SEA AND AIR**

YEAR	SEEDS	OILS	CAKES	Total
1938-39 .. .. .	1183	24	413	1620
1948-49 .. .. .	63	60	—	123
1949-50 .. .. .	203	41	2	246
1950-51 .. .. .	186	113	—	299
1951-52 .. .. .	31	70	—	101
1952-53 .. .. .	20	134	3	157
1953-54 .. .. .	5	25	2	32
1954-55 .. .. .	23	143	34	200
1955-56 .. .. .	30	250	120	400

**II. QUANTITIES (in tons) OF THE OILSEEDS, OILS AND OILCAKES IMPORTED INTO INDIA BY SEA AND AIR**

YEAR	SEEDS	OILS	CAKES	Total
1938-39 .. .. .	1176	632	21	1829
1948-49 .. .. .	—	5	409	414
1949-50 .. .. .	—	5	921	926
1950-51 .. .. .	55	3	1915	1973
1951-52 .. .. .	10	1	930	941
1952-53 .. .. .	—	2	—	2
1953-54 .. .. .	—	—	—	—
1954-55 .. .. .	—	1	—	1
1955-56 .. .. .	—	10	—	10

*Source : Department of Commercial Intelligence and Statistics, Government of India.*

# QUANTITIES OF THE FIVE MAJOR OILSEEDS, OILS AND OILCAKES, EXPORTED FROM INDIA

(EXPORTS BY SEA AND AIR)

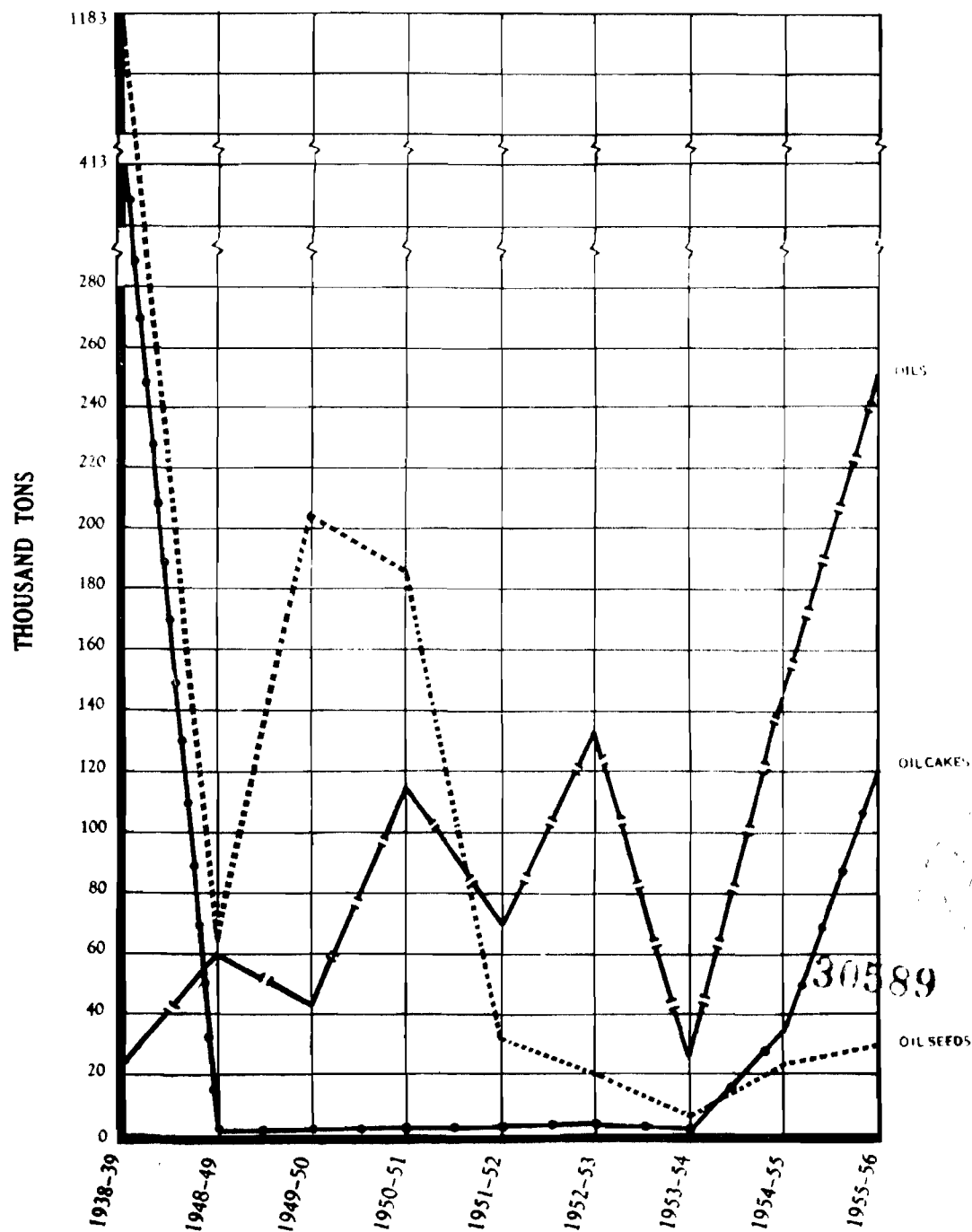


TABLE No. 8

**I. VALUES (in lakh rupees) OF THE FIVE MAJOR OILSEEDS, OILS AND OILCAKES EXPORTED FROM INDIA BY SEA AND AIR**

YEAR	SEEDS	OILS	CAKES	Total
1938-39 .. .. .	1478	78	278	1834
1948-49 .. .. .	453	1030	1	1484
1949-50 .. .. .	1389	724	5	2118
1950-51 .. .. .	1530	2221	—	3751
1951-52 .. .. .	355	1660	—	2015
1952-53 .. .. .	203	2288	1	2492
1953-54 .. .. .	64	403	5	472
1954-55 .. .. .	255	1757	141	2153
1955-56 .. .. .	296	2993	423	3712

**II. VALUES (in rupees) OF THE OILSEEDS, OILS AND OILCAKES IMPORTED INTO INDIA BY SEA AND AIR**

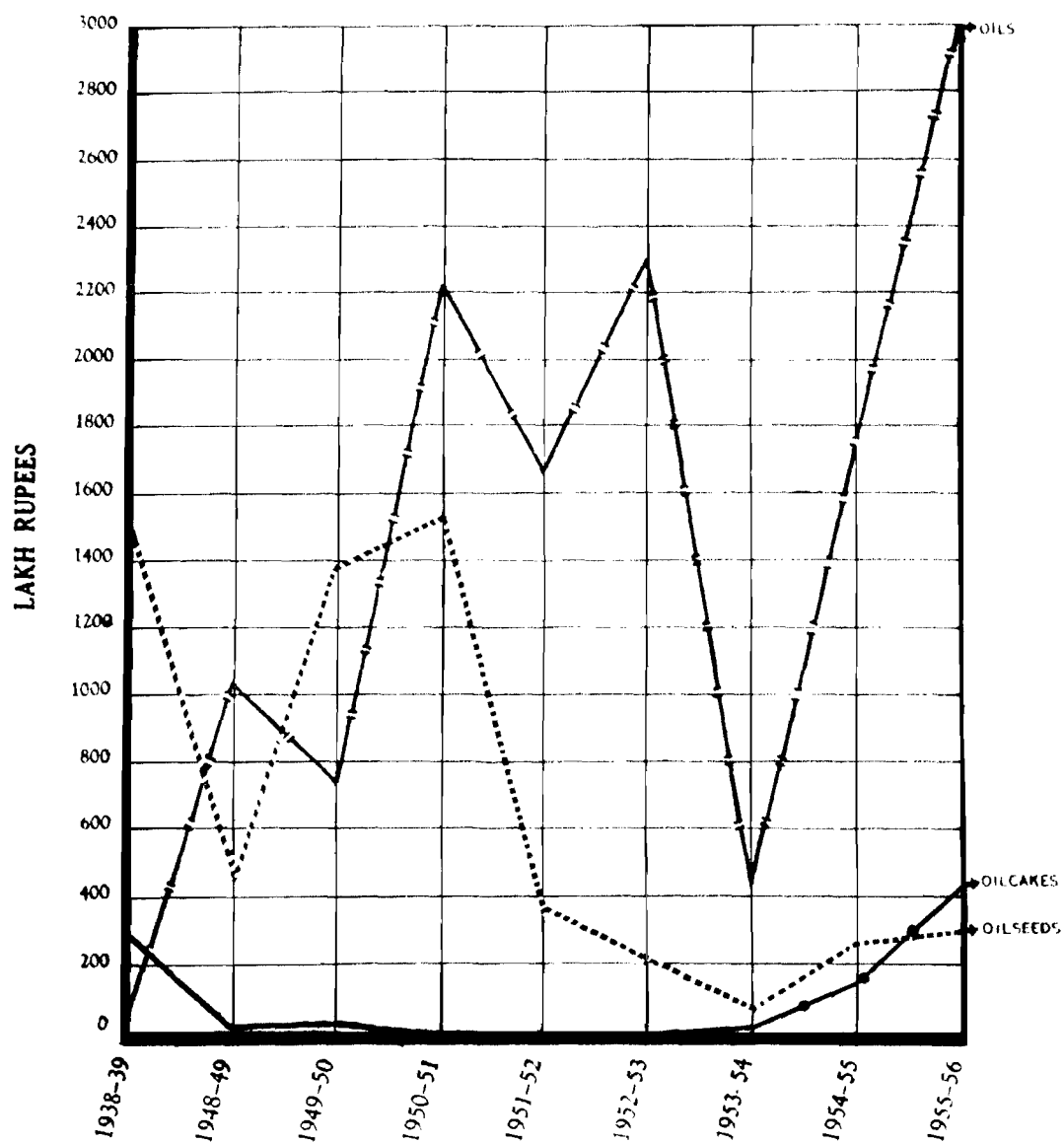
YEAR	SEEDS	OILS	CAKES	Total
1938-39 .. .. .	1,45,520	3,34,234	711	4,80,465
1948-49 .. .. .	—	8,726	90,148	98,874
1949-50 .. .. .	142	11,433	1,32,990	1,44,565
1950-51 .. .. .	10,955	3,704	3,22,199	3,36,858
1951-52 .. .. .	18,958	3,612	1,55,188	1,77,758
1952-53 .. .. .	—	7,533	—	7,533
1953-54 .. .. .	—	255	—	255
1954-55 .. .. .	—	1,219	—	1,219
1955-56 .. .. .	—	27,511	—	27,511

*Source : Department of Commercial Intelligence and Statistics, Government of India.*

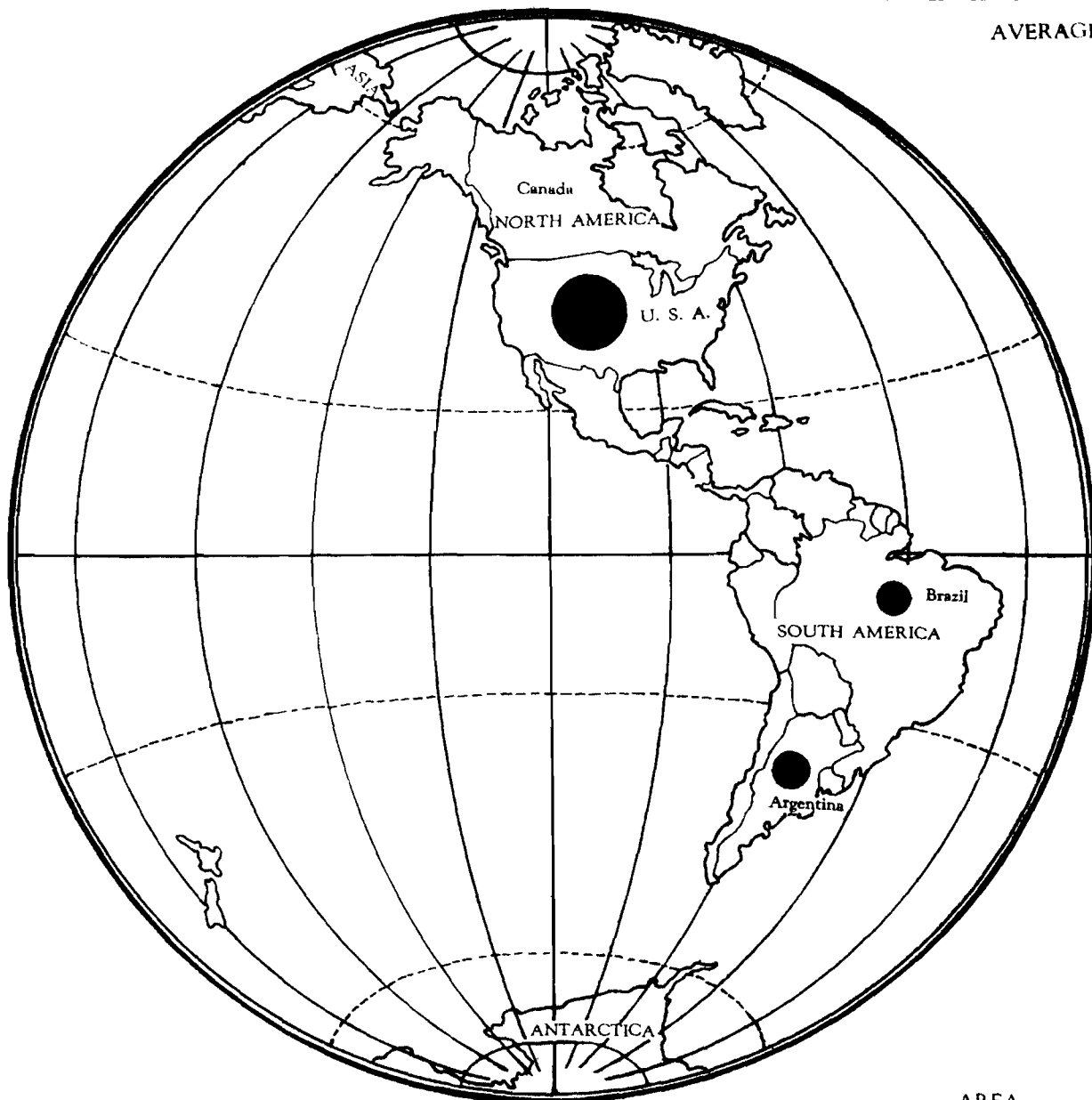


# VALUE OF THE FIVE MAJOR OILSEEDS, OILS AND OILCAKES, EXPORTED FROM INDIA

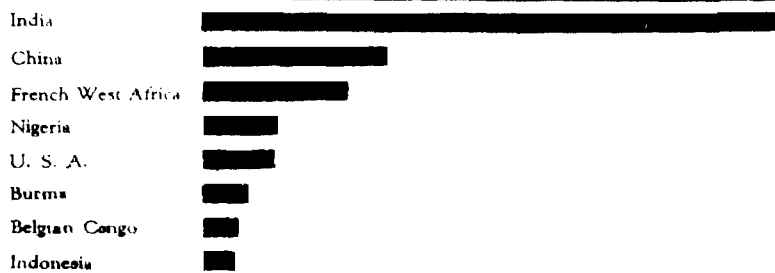
(EXPORTS BY SEA AND AIR)



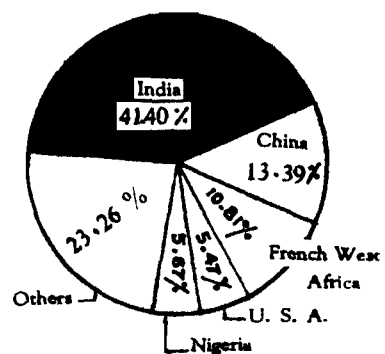
# WORLD GROUNDNUT AVERAGE



AREA IN LAKH ACRES 0 10 20 30 40 50 60 70 80 90 100 110 120 130

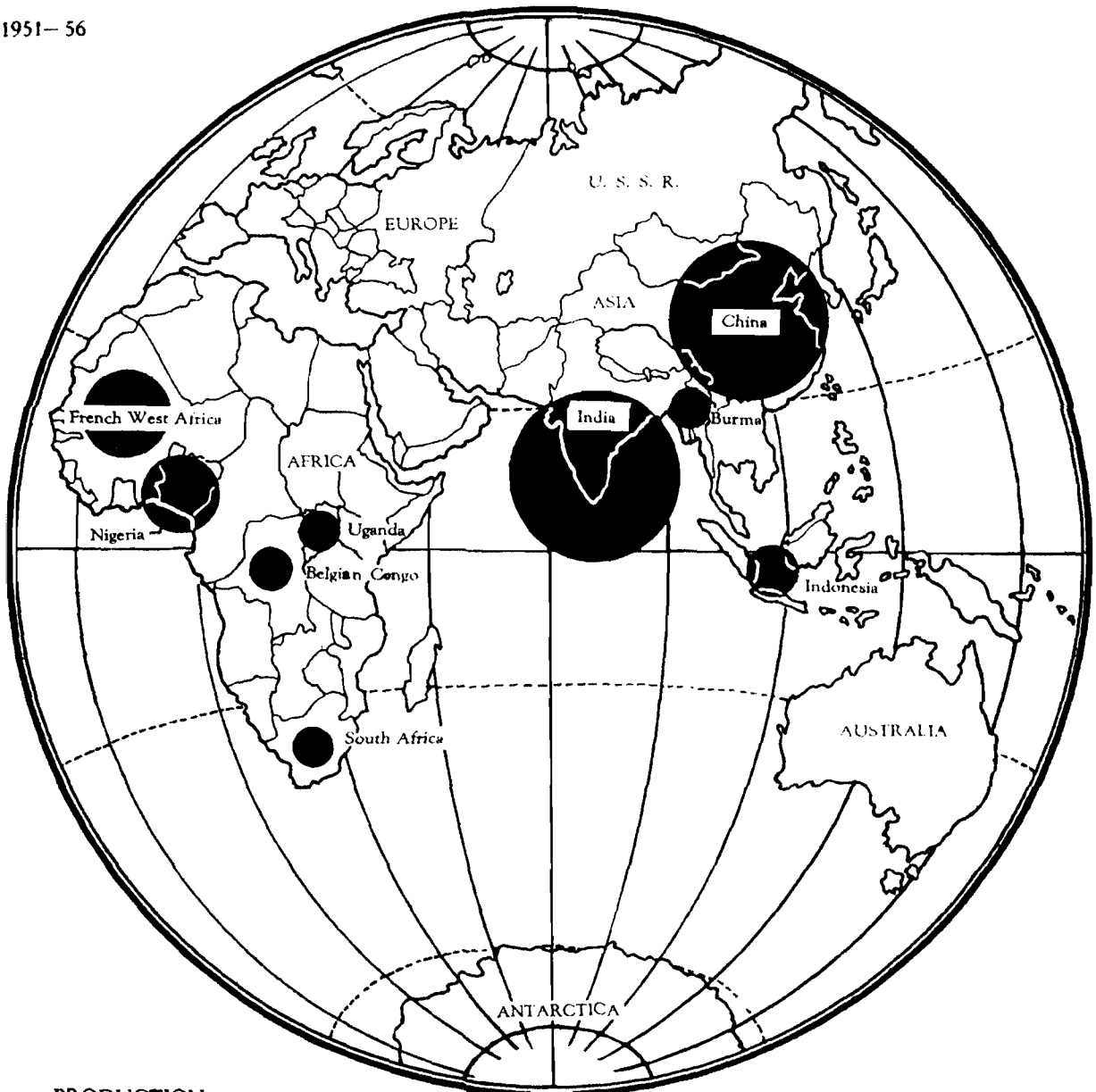


AREA

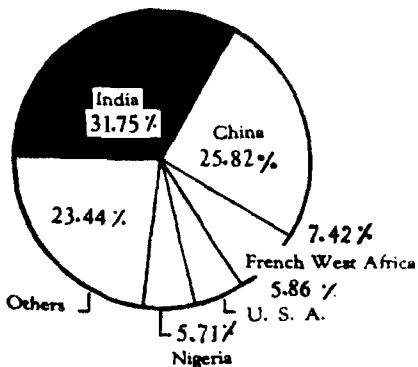


# PRODUCTION OF (PODS)

1951-56

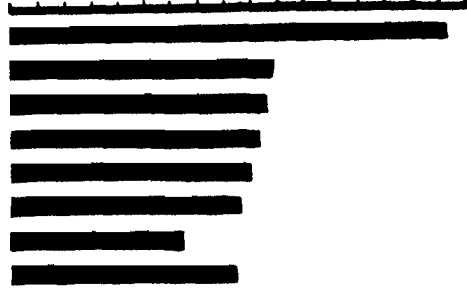


## PRODUCTION



YIELD PER ACRE IN 100 LB. 0 2 4 6 8 10 12 14 16

China  
Brazil  
Uganda  
Indonesia  
U. S. A.  
Argentina  
India  
World Average



TABLE\* No. 9  
**GROUNDNUT CROP IN THE WORLD**  
*(Quinquennial Averages for 1951-56)*

Serial No.	Country	Area in thousand acres	Percentage of total area	Production (Pods) in thousand tons	Percentage of total production	Yield of Pods in lbs. per acre
1.	India	.. 12,125.4	41.40	3,469.6	31.75	641
2.	China	.. 3,920.0	13.39	2,822.0	25.82	1613
3.	French West Africa	.. 3,166.0	10.81	811.0	7.42	674
4.	U. S. A.	.. 1,602.0	5.47	640.4	5.86	895
5.	Nigeria	.. 1,660.0	5.67	623.8	5.71	842
6.	Indonesia	.. 726.2	2.48	298.0	2.73	919
7.	Burma	.. 777.2	2.65	180.4	1.65	520
8.	Belgian Congo	.. 737.2	2.52	179.6	1.65	546
9.	South Africa	.. 498.6	1.70	170.2	1.56	765
10.	Argentina	.. 442.2	1.51	169.8	1.56	860
11.	Uganda	.. 395.2	1.35	167.0	1.53	947
12.	Brazil	.. 364.6	1.25	160.0	1.46	983
13.	Others	.. 2,871.6	9.80	1,236.2	11.30	—
	<b>World Total</b>	<b>.. 29,286.2</b>	<b>100.00</b>	<b>10,928.0</b>	<b>100.00</b>	<b>836</b>
		<b>= 11,851.7</b> <i>'000 hectares</i>		<b>= 11,103.4</b> <i>'000 metric tons</i>		<b>= 936</b> <i>kilograms per hectare</i>

\* This table pertains to pages 18 and 19.

Source : *Commonwealth Economic Committee's Review—"Vegetable Oils and Oilseeds."*

TABLE\* No. 10

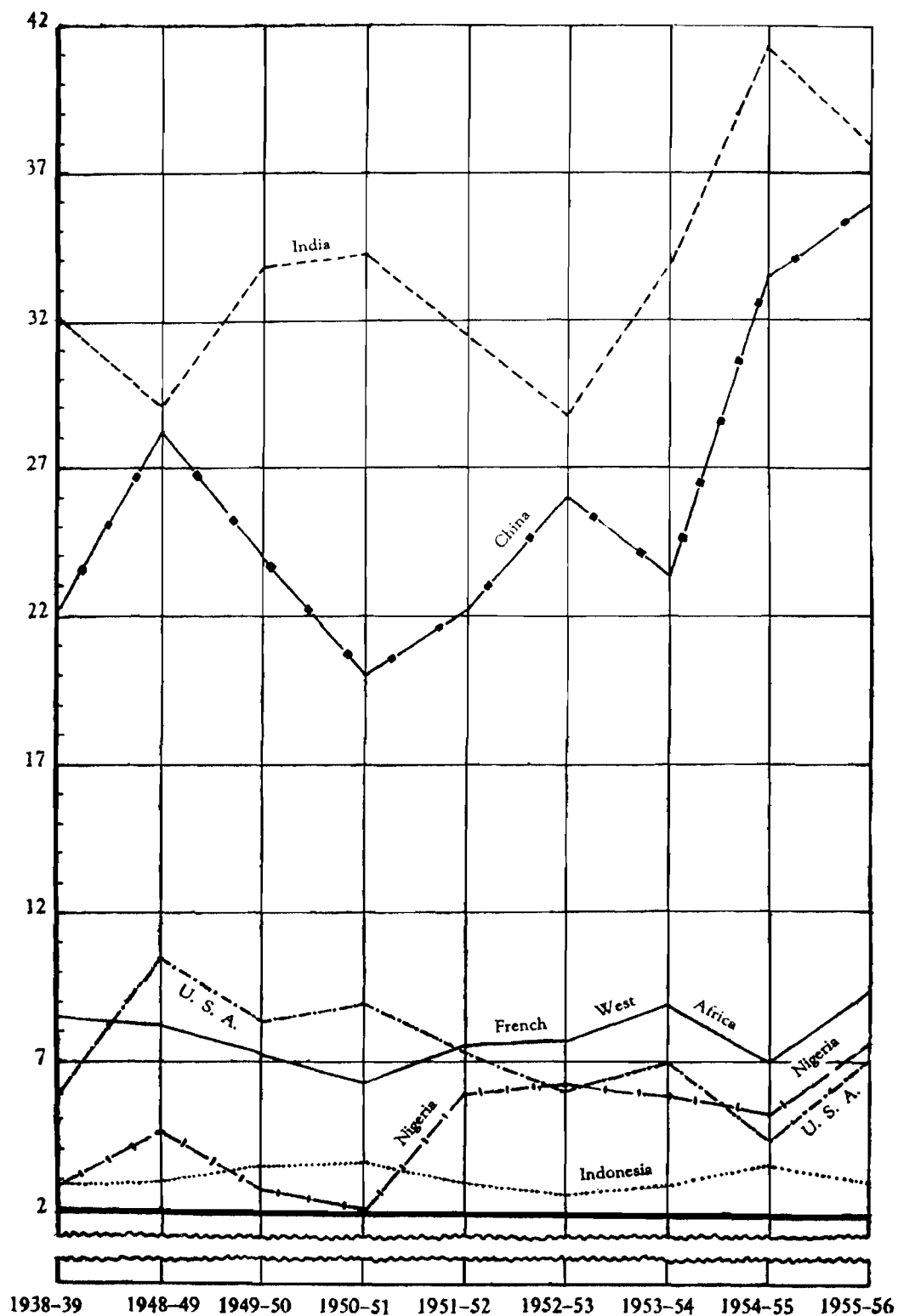
**PRODUCTION (in thousand tons) OF GROUNDNUT (pods) IN THE MAJOR PRODUCING COUNTRIES OF THE WORLD**

Serial No.	Country	1938-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	India .. ..	3,219	2,901	3,379	3,426	3,142	2,883	3,391	4,128	3,804
2.	China .. ..	2,210	2,820	2,400	2,000	2,220	2,600	2,340	3,350	3,600
3.	French West Africa	850	833	716	640	750	770	900	700	935
4.	U.S.A. .. ..	576	1,043	833	909	741	605	703	450	703
5.	Nigeria .. ..	286	460	270	204	608	615	607	533	756
6.	Indonesia .. ..	290	300	350	365	297	254	286	348	305
7.	Burma .. ..	180	144	115	145	176	176	191	154	205
8.	Belgian Congo ..	17	109	150	164	157	192	182	190	177
9.	South Africa ..	13	71	76	102	113	136	196	190	216
10.	Argentina .. ..	40	84	60	92	152	201	167	116	213
11.	Uganda .. ..	68	160	120	150	175	150	160	170	180
12.	Brazil .. ..	13	134	116	145	143	144	165	183	165
13.	Others .. ..	756	998	957	1,012	1,151	1,151	1,201	1,283	1,395
World Total		8,518	10,057	9,542	9,354	9,825	9,877	10,489	11,795	12,654
Total		8,654.7	10,218.4	9,695.1	9,504.1	9,982.7	10,035.5	10,657.3	11,984.3	12,857.1

\* This table pertains to pages 22 and 23.

Source Commonwealth Economic Committee's Review—Vegetable Oils and Oilseed.

# TREND IN THE PRODUCTION OF GROUNDNUT (PODS) IN THE MAJOR PRODUCING COUNTRIES



## TREND IN PRODUCTION OF GROUNDNUT (PODS) IN THE WORLD

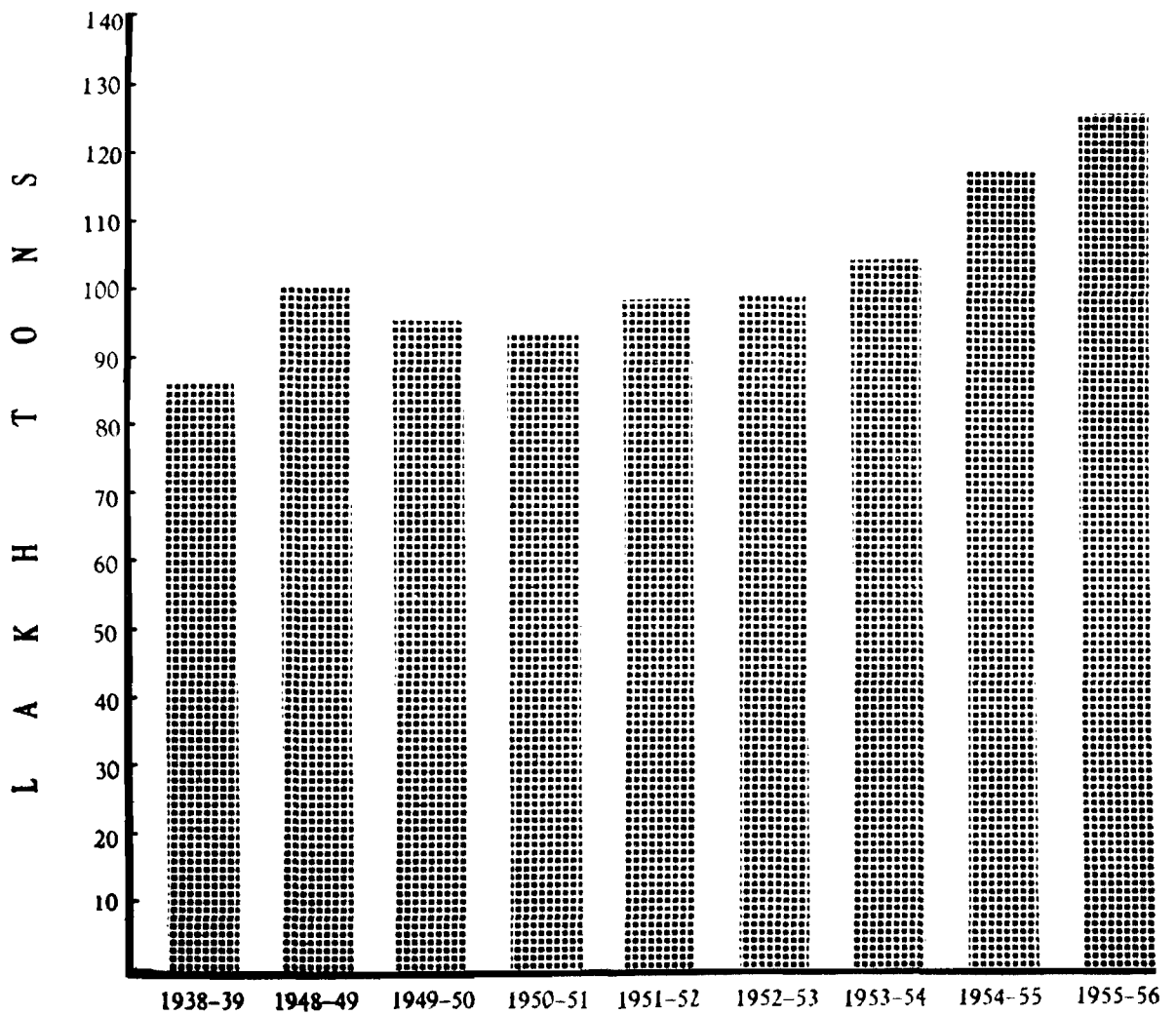


TABLE No. 11  
**AREA AND PRODUCTION OF GROUNDNUT IN INDIA**  
*(1955-56 Final Estimates)*

Serial No.	State				Area in thousand acres	Per-centage of total area	Produc-tion in thousand tons	Percen-tage of total produc-tion	Yield of Pods in lbs. per acre
1.	Andhra Pradesh	..	..	..	3,041	24.2	1,085	28.5	799
2.	Bombay	..	..	..	4,447	35.3	1,002	26.3	505
3.	Madras	..	..	..	1,772	14.1	819	21.5	1,035
4.	Mysore	..	..	..	2,050	16.3	497	13.1	543
5.	Madhya Pradesh	..	..	..	654	5.2	168	4.4	575
6.	Uttar Pradesh	..	..	..	283	2.2	128	3.4	1,013
7.	Punjab	..	..	..	134	1.1	37	1.0	619
8.	Rajasthan	..	..	..	105	0.8	36	0.9	768
9.	Orissa	..	..	..	61	0.5	17	0.5	624
10.	Kerala	..	..	..	37	0.3	15	0.4	908
11.	Himachal Pradesh	..	..	..	1	—	<0.5	—	—
	<b>India</b>	..	..	..	<b>12,585</b>	<b>100.0</b>	<b>3,804</b>	<b>100.0</b>	<b>677</b>
					<b>=5,093.0</b>		<b>=3,865.1</b>		<b>=758</b>
					<i>'000 hectares</i>		<i>'000 metric tons</i>		<i>kilograms per hectare</i>

*Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

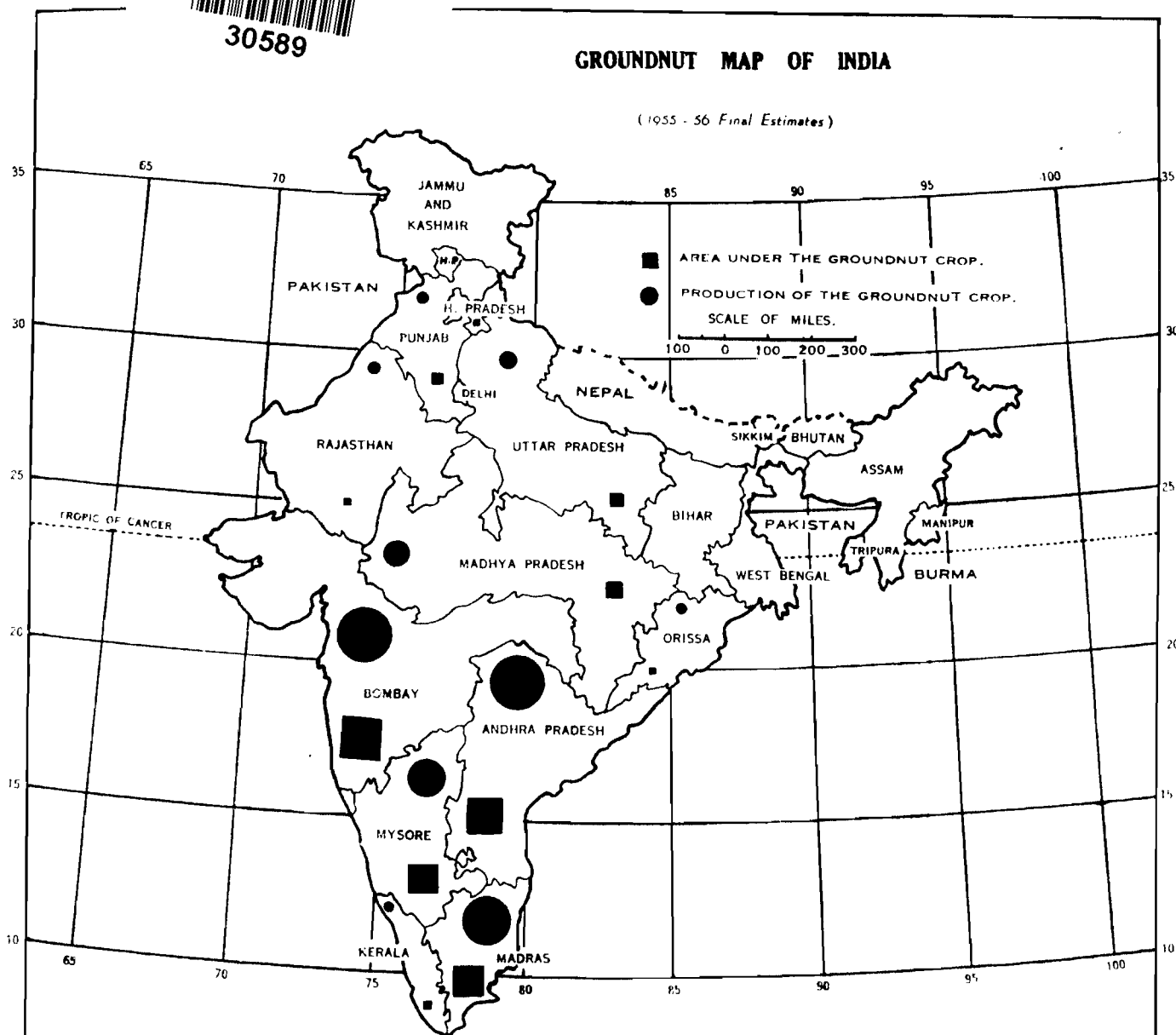




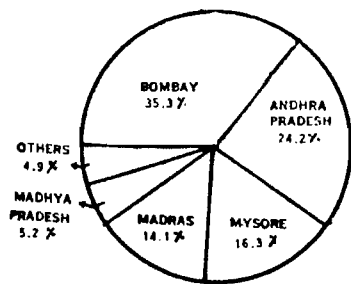
30589

# GROUNDNUT MAP OF INDIA

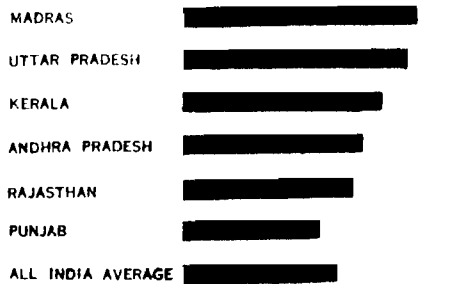
(1955 - 56 Final Estimates)



AREA



YIELD PER ACRE IN 100 LB.



PRODUCTION

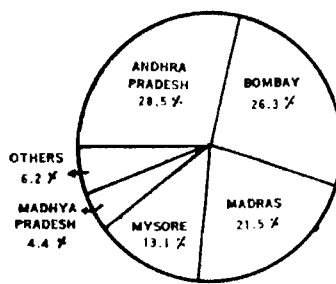


TABLE No. 12

**AREA (in thousand acres) UNDER GROUNDNUT IN THE MAJOR GROWING STATES  
IN INDIA**

Serial No.	State		1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Bombay	.. ..	3,643	3,932	3,992	3,878	5,139	4,447
2.	Andhra Pradesh	.. ..	2,990	3,102	2,945	2,417	3,067	3,041
3.	Mysore	.. ..	1,575	2,105	1,952	1,878	2,108	2,050
4.	Madras	.. ..	1,962	1,886	1,803	1,306	1,772	1,772
5.	Madhya Pradesh	.. ..	461	584	608	496	810	654
6.	Uttar Pradesh	.. ..	220	281	265	249	291	283
7.	Others	.. ..	255	261	283	271	361	338
	<b>India</b>	<b>.. ..</b>	<b>11,106</b>	<b>12,151</b>	<b>11,848</b>	<b>10,495</b>	<b>13,548</b>	<b>12,585</b>
	'000 hectares	..	<b>4,494.4</b>	<b>4,917.3</b>	<b>4,794.7</b>	<b>4,247.2</b>	<b>5,482.7</b>	<b>5,093.0</b>

*Source : Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

## PROGRESS IN THE AREA UNDER GROUNDNUT IN INDIA

(Area under Groundnut Crop in the major growing States)

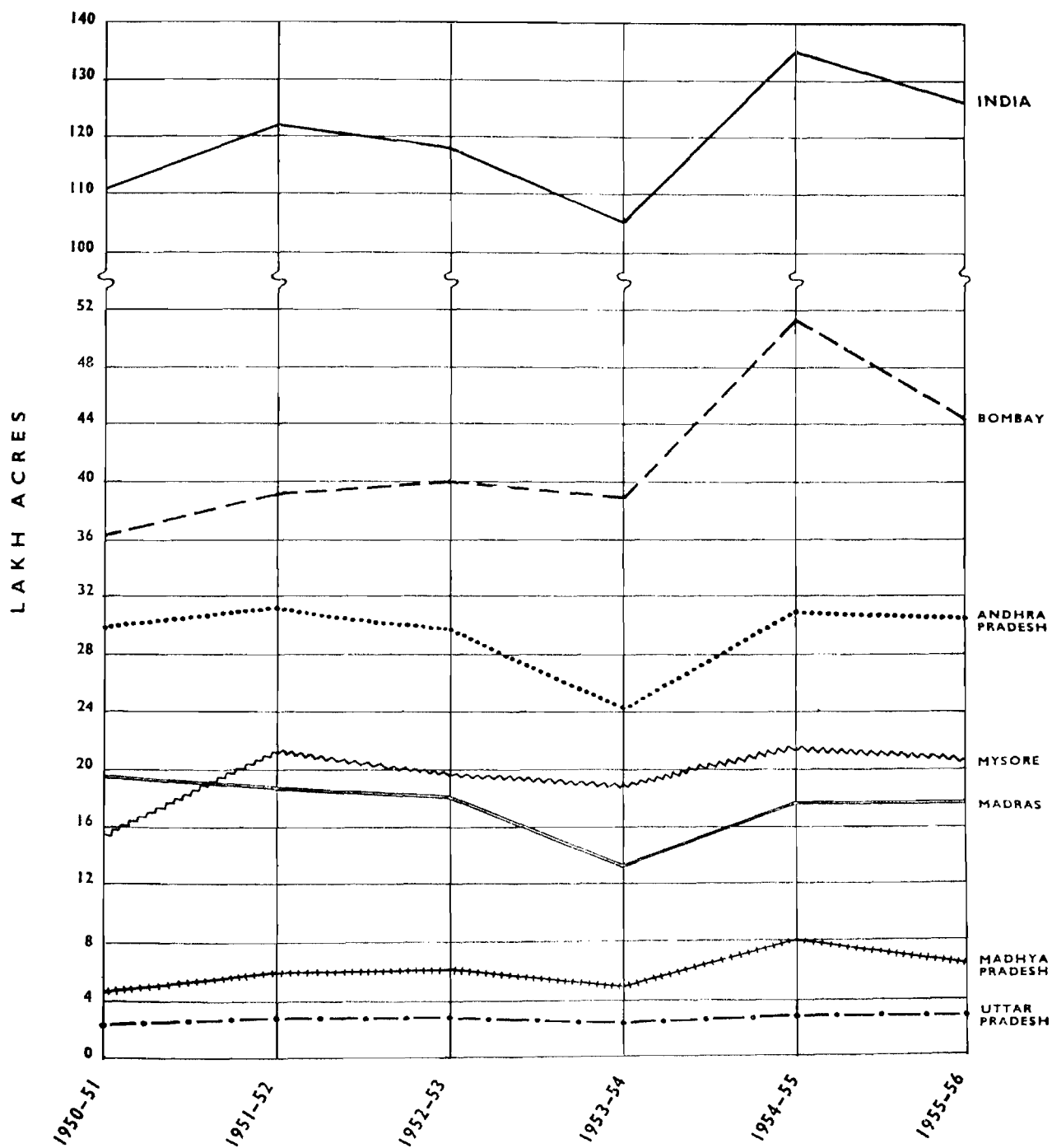


TABLE No. 13

**I. PRODUCTION (in thousand tons) OF GROUNDNUT (PODS) IN THE MAJOR PRODUCING STATES IN INDIA**

Serial No.	State	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Andhra Pradesh .. .. .	1,024	1,007	965	876	1,051	1,085
2.	Bombay .. .. .	842	600	611	1,092	1,362	1,002
3.	Madras .. .. .	751	754	675	596	809	819
4.	Mysore .. .. .	538	512	336	476	445	497
5.	Madhya Pradesh .. .. .	101	88	100	117	205	168
6.	Uttar Pradesh .. .. .	101	115	117	120	142	128
7.	Others .. .. .	69	66	79	114	114	105
<b>India</b>	<i>british</i> .. .. .	<b>3,426</b>	<b>3,142</b>	<b>2,883</b>	<b>3,391</b>	<b>4,128</b>	<b>3,804</b>
	<i>metric</i> .. .. .	<b>3,481.0</b>	<b>3,192.4</b>	<b>2,929.3</b>	<b>3,445.4</b>	<b>4,194.3</b>	<b>3,865.1</b>

**II. AVERAGE YIELD (in lbs.) OF GROUNDNUT PODS PER ACRE IN THE MAJOR GROWING STATES IN INDIA**

Serial No.	State	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Andhra Pradesh .. .. .	767	727	734	812	768	799
2.	Bombay .. .. .	518	342	343	631	594	505
3.	Madras .. .. .	857	896	839	1,022	1,023	1,035
4.	Mysore .. .. .	765	545	386	568	473	543
5.	Madhya Pradesh .. .. .	491	338	368	528	567	575
6.	Uttar Pradesh .. .. .	1,028	917	989	1,080	1,093	1,013
<b>India</b>	<i>lbs. per acre</i> .. .. .	<b>691</b>	<b>579</b>	<b>545</b>	<b>724</b>	<b>683</b>	<b>677</b>
	<i>kgs. per hectare</i> .. .. .	<b>774</b>	<b>648</b>	<b>610</b>	<b>811</b>	<b>765</b>	<b>758</b>

Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

# PROGRESS IN THE PRODUCTION OF GROUNDNUT (PODS) IN INDIA

(Production of Groundnut (Pods) in the major producing States)

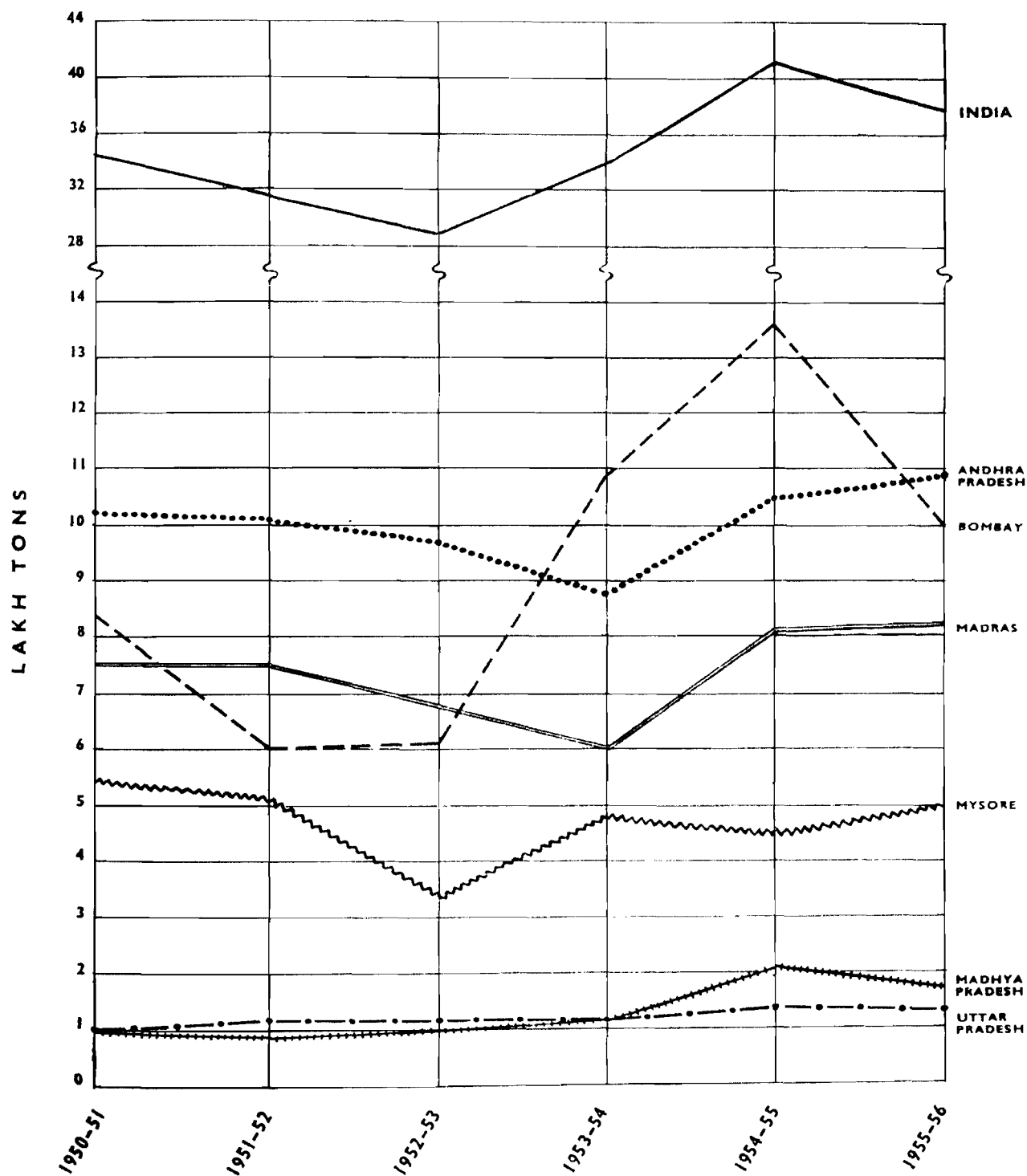


TABLE No. 14

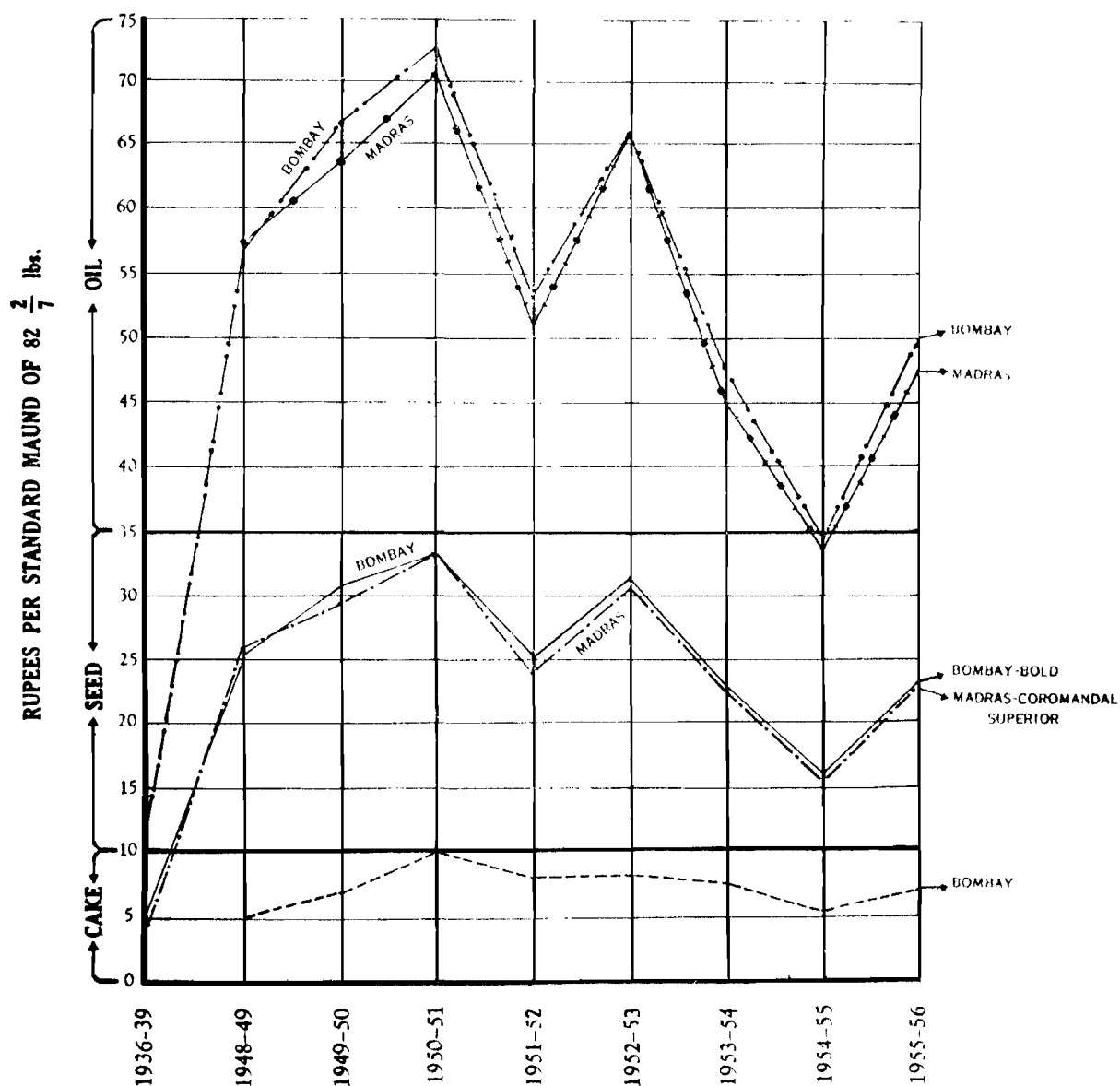
**AVERAGE ANNUAL (November to October) WHOLESale PRICES OF GROUNDNUT SEED (KERNEL), OIL AND CAKE  
AT IMPORTANT MARKETS IN INDIA**

*(Rupees per Standard Maund of 82 2.7 lbs. or 37.32 Kilograms)*

Market/Commodity/ Variety	Average 1936-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
<b>SEED</b>									
Bombay—Bold .. ..	5.16	25.30	30.61	32.92	24.94	31.19	23.12	16.06	23.19
Madras—Coromandal/ Superior .. ..	4.50	25.83	29.50	32.92	23.87	30.25	22.25	15.56	23.00
<b>OIL</b>									
Bombay .. ..	12.37	57.11	66.47	72.58	52.87	65.81	47.62	34.31	50.19
Madras .. ..	—	57.25	63.45	70.42	50.81	65.31	45.19	33.31	47.56
<b>CAKE</b>									
Bombay .. ..	—	4.94	6.58	9.86	7.75	8.31	7.50	5.31	7.19

*Source : Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

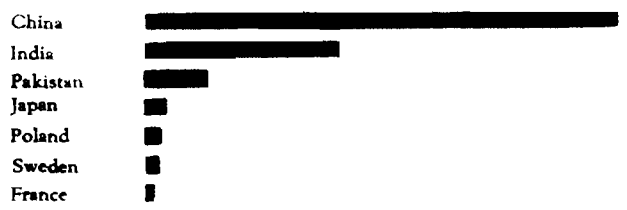
**AVERAGE ANNUAL WHOLESALE PRICES OF GROUNDNUT KERNEL , OIL AND CAKE**  
**AT IMPORTANT MARKETS IN INDIA**



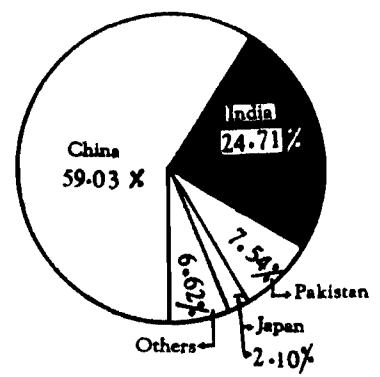
**WORLD RAPE-MUSTARD**  
AVERAGE



AREA IN LAKH ACRES 0 20 40 60 80 100 120 140 160



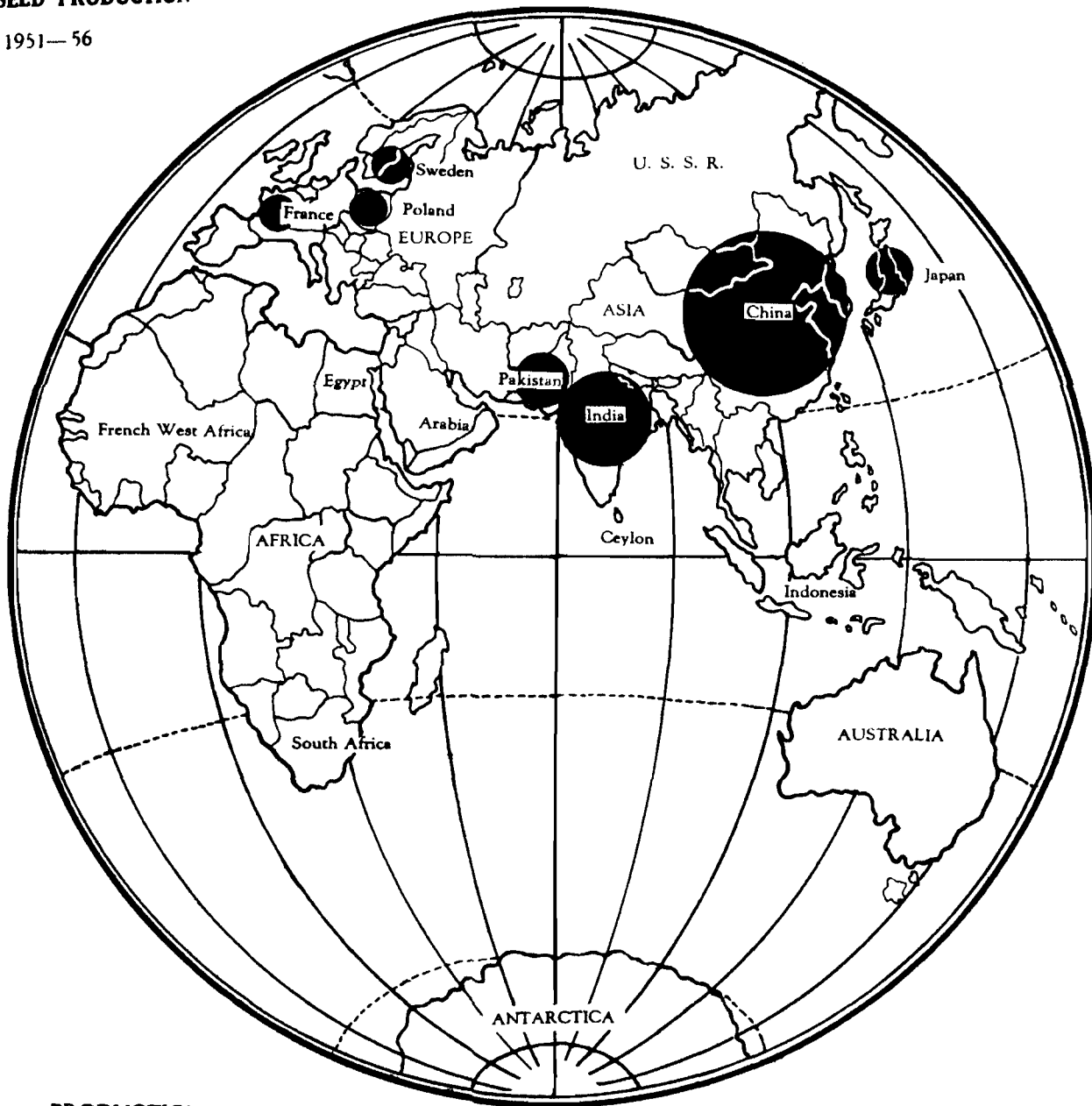
**AREA**



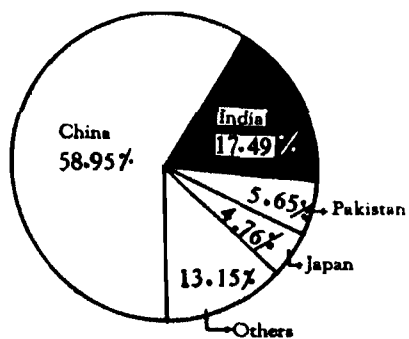


## SEED PRODUCTION

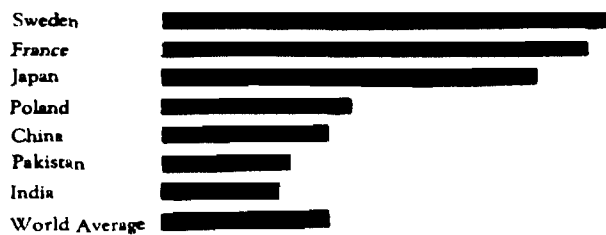
1951—56



## PRODUCTION



YIELD PER ACRE IN 100 LB. 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14



TABLE\* No. 15  
**RAPE-MUSTARD CROP IN THE WORLD**  
*(Quinquennial Averages for 1951-56)*

Serial No.	Country			Area in thousand acres	Percentage of total area	Production in thousand tons	Percentage of total production	Yield in lbs. per acre
1.	China	..	..	13,840.0	59.03	3,020.0	58.95	489
2.	India	..	..	5,793.4	24.71	896.2	17.49	347
3.	Pakistan	..	..	1,768.2	7.54	289.4	5.65	367
4.	Japan	..	..	491.6	2.10	244.0	4.76	1,112
5.	Sweden	..	..	247.6	1.06	146.8	2.87	1,328
6.	France	..	..	236.4	1.01	133.2	2.60	1,262
7.	Poland	..	..	388.0	1.65	96.6	1.89	558
8.	Others	..	..	679.0	2.90	296.8	5.79	—
<b>World Total</b>		..	..	<b>23,444.2</b>	<b>100.00</b>	<b>5,123.0</b>	<b>100.00</b>	<b>489</b>
				<b>=9,487.5</b>		<b>=5,205.2</b>		<b>=549</b>
				<i>'000 hectares</i>		<i>'000 metric tons</i>		<i>kilograms per hectare</i>

\* This table pertains to pages 32 and 33.

Source : Commonwealth Economic Committee's Review—"Vegetable Oils and Oilseeds."

TABLE\* No. 16

**PRODUCTION (in thousand tons) OF RAPE-MUSTARD SEED IN THE MAJOR PRODUCING COUNTRIES  
OF THE WORLD**

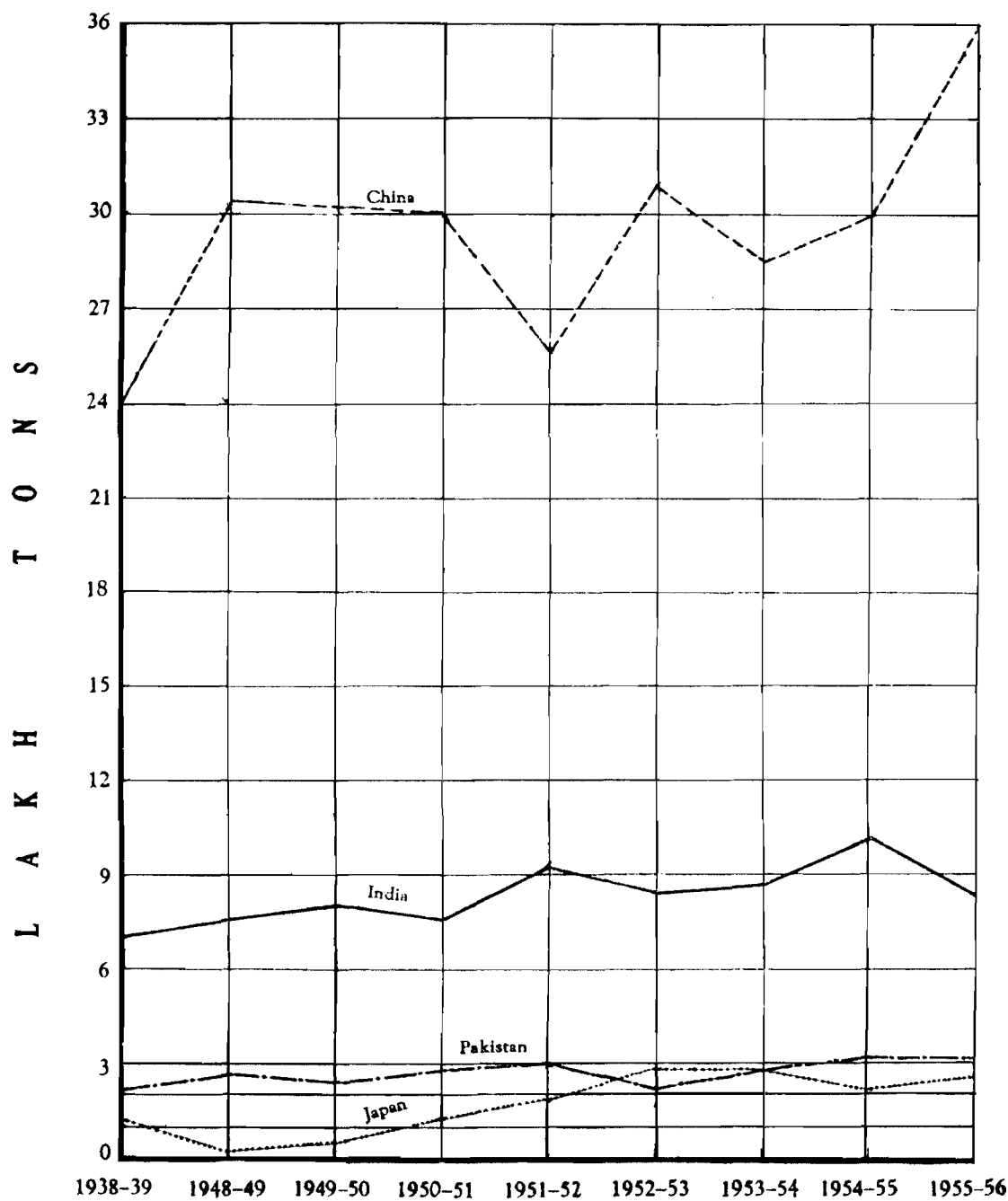
Serial No.	Country	1938-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	China	..	2,400	3,010	3,000	2,550	3,100	2,850	3,000	3,600
2.	India	..	700	793	750	928	844	858	1,019	832
3.	Pakistan	..	223	236	278	302	228	272	324	321
4.	Japan	..	117	38	117	176	278	284	216	266
5.	Sweden	..	—	53	169	206	166	79	153	130
6.	France	..	10	140	125	161	221	93	86	105
7.	Poland	..	71	90	114	110	85	78	100	110
8.	Others	..	282	395	310	322	308	291	252	311
+World		..	3,803	4,816	4,863	4,755	5,230	4,805	5,150	5,675
Total		..	3,864.0	4,893.3	4,941.1	4,831.3	5,313.9	4,882.1	5,232.7	5,766.1

\* This table pertains to pages 36 and 37.

† Excluding U.S.S.R.

Source: Commonwealth Economic Committee's Review—"Vegetable Oils and Oilseeds."

**TREND IN THE PRODUCTION OF RAPE - MUSTARD SEED  
IN THE MAJOR PRODUCING COUNTRIES**



## TREND IN PRODUCTION OF RAPE-MUSTARD SEED IN THE WORLD

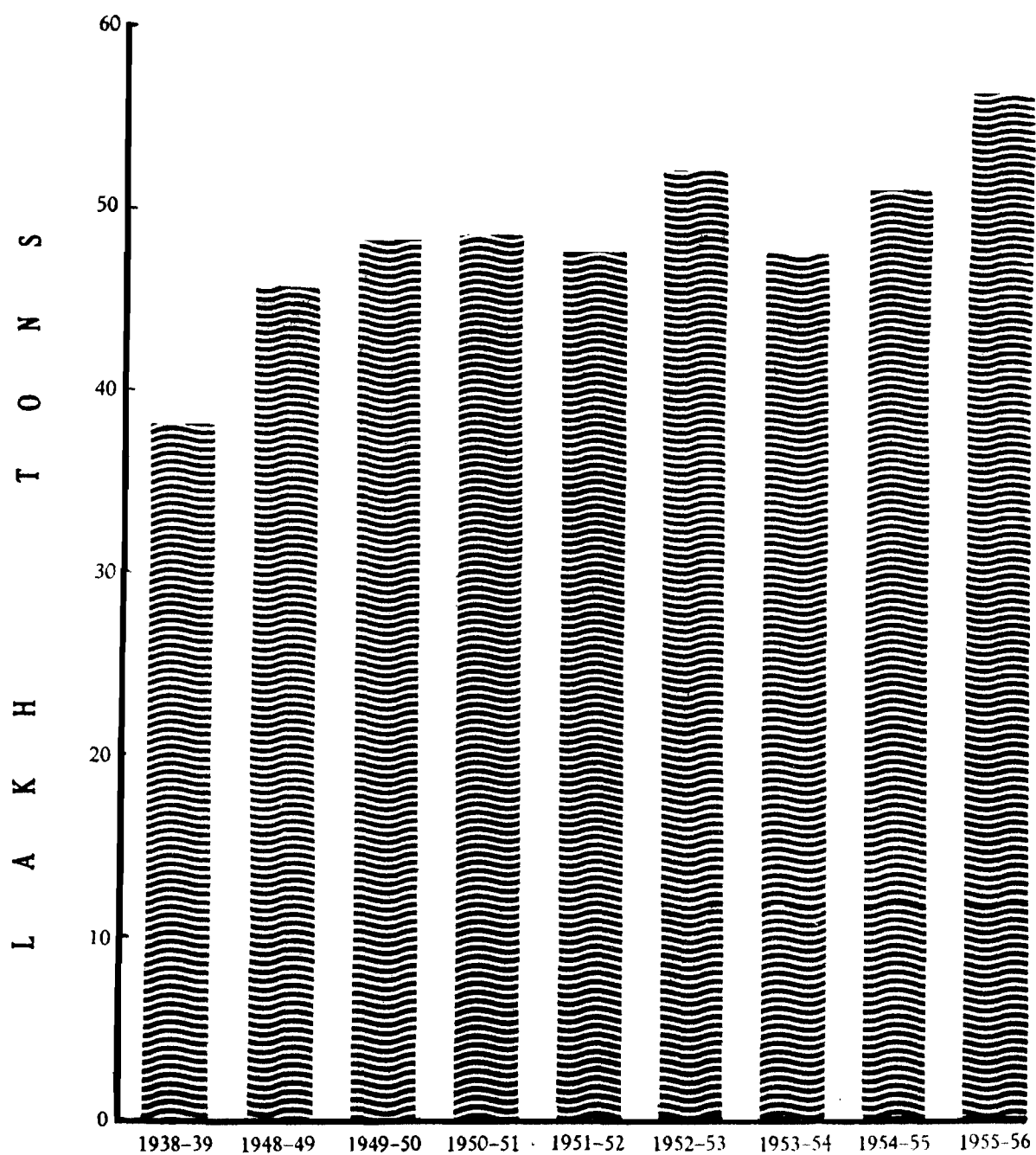


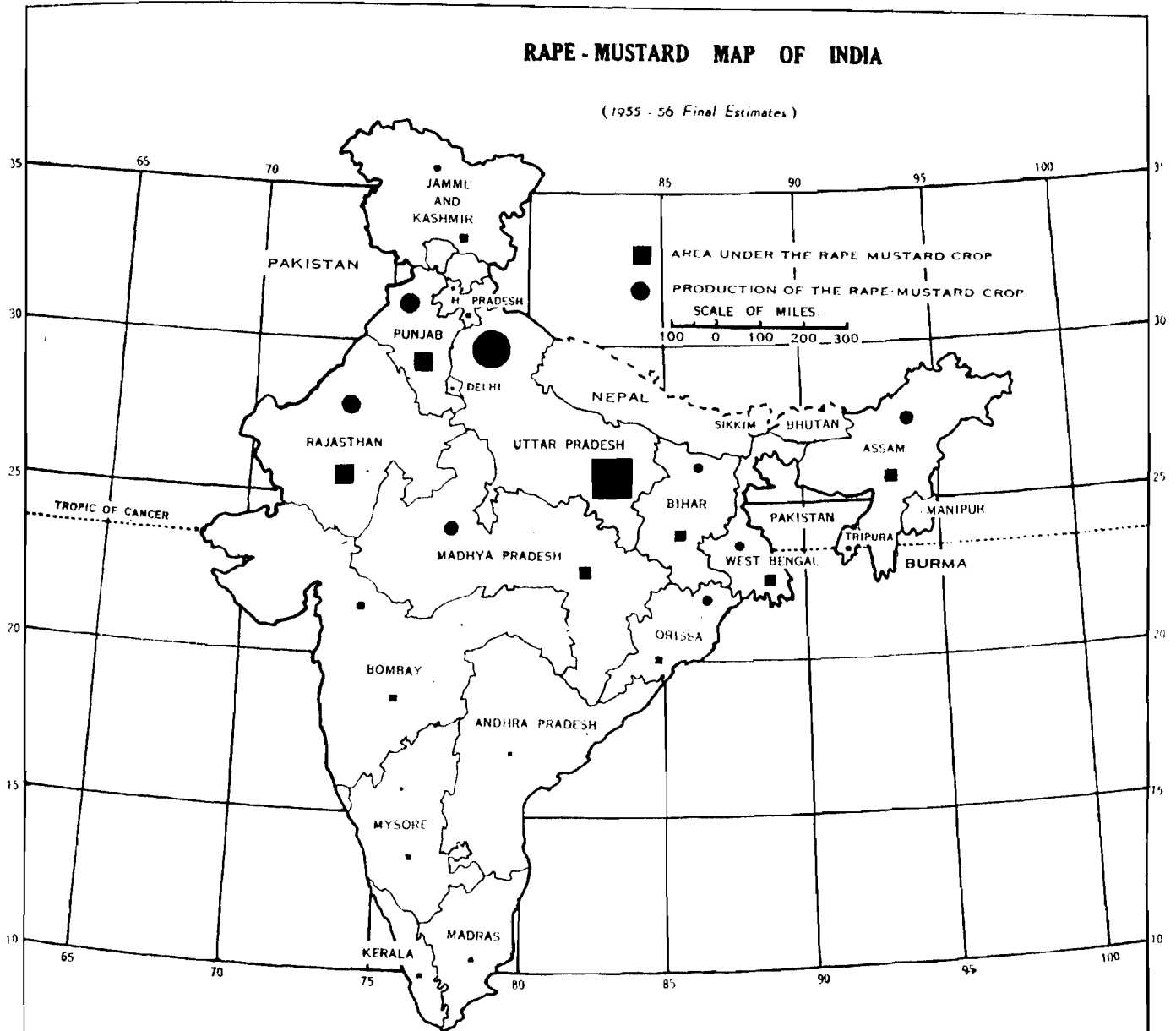
TABLE No. 17  
AREA AND PRODUCTION OF RAPE-MUSTARD IN INDIA  
(1955-56 Final Estimates)

Serial No.	State					Area in thousand acres	Percentage of total area	Production in thousand tons	Percentage of total production	Yield in lbs. per acre
1.	Uttar Pradesh	..	..	..	..	3,649	58.3	408	49.1	250
2.	Punjab	..	..	..	..	669	10.7	106	12.7	355
3.	Rajasthan	..	..	..	..	626	10.0	99	11.9	357
4.	Madhya Pradesh	..	..	..	..	334	5.3	57	6.9	382
5.	Assam	..	..	..	..	280	4.5	51	6.1	408
6.	West Bengal	..	..	..	..	224	3.6	34	4.1	340
7.	Bihar	..	..	..	..	190	3.0	25	3.0	295
8.	Orissa	..	..	..	..	126	2.0	20	2.4	355
9.	Bombay	..	..	..	..	71	1.1	14	1.7	442
10.	Jammu & Kashmir	..	..	..	..	56	0.9	13	1.6	485
11.	Mysore	..	..	..	..	12	0.2	2	0.2	373
12.	Tripura	..	..	..	..	10	0.2	2	0.2	448
13.	Himachal Pradesh	..	..	..	..	9	0.2	1	0.1	249
14.	Andhra Pradesh	..	..	..	..	2	—	<0.5	—	—
15.	Madras	..	..	..	..	2	—	<0.5	—	—
16.	Delhi	..	..	..	..	2	—	<0.5	—	—
17.	Kerala	..	..	..	..	<0.5	—	<0.5	—	—
	<b>India</b>	..	..	..	..	<b>6,262</b>	<b>100.0</b>	<b>832</b>	<b>100.0</b>	<b>298</b>
						<b>=2,534.1</b>		<b>=845.4</b>		<b>=334</b>
						<i>'000 hectares</i>		<i>'000 metric tons</i>		<i>kilograms per hectare</i>

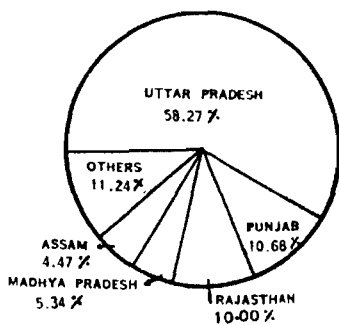
Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

# RAPE - MUSTARD MAP OF INDIA

(1955 - 56 Final Estimates)



## AREA



## YIELD PER ACRE IN 70 POUNDS.



## PRODUCTION

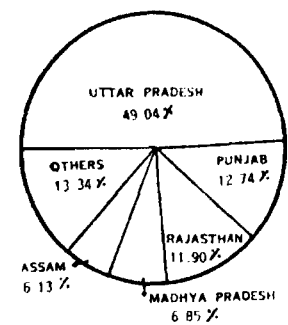


TABLE No. 18

**AREA (in thousand acres) UNDER RAPE-MUSTARD IN THE MAJOR GROWING STATES  
IN INDIA**

Serial No.	State				1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Uttar Pradesh	..	..	..	3,069	3,328	3,206	3,461	3,520	3,649
2.	Punjab	..	..	..	461	832	421	503	631	669
3.	Rajasthan	..	..	..	268	332	192	279	532	626
4.	Madhya Pradesh	..	..	..	301	344	311	315	322	334
5.	Assam	..	..	..	313	299	293	287	290	280
6.	West Bengal	..	..	..	237	232	226	204	205	224
7.	Others	..	..	..	469	567	552	496	525	480
	<b>India</b>	..	..	..	<b>5,118</b>	<b>5,934</b>	<b>5,201</b>	<b>5,545</b>	<b>6,025</b>	<b>6,262</b>
	'000 hectares	..	..	..	<b>2,071.2</b>	<b>2,401.4</b>	<b>2,104.8</b>	<b>2,244.0</b>	<b>2,438.2</b>	<b>2,534.1</b>

*Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*



## PROGRESS IN THE AREA UNDER RAPE-MUSTARD IN INDIA

(Area under Rape-Mustard Crop in the major growing States)

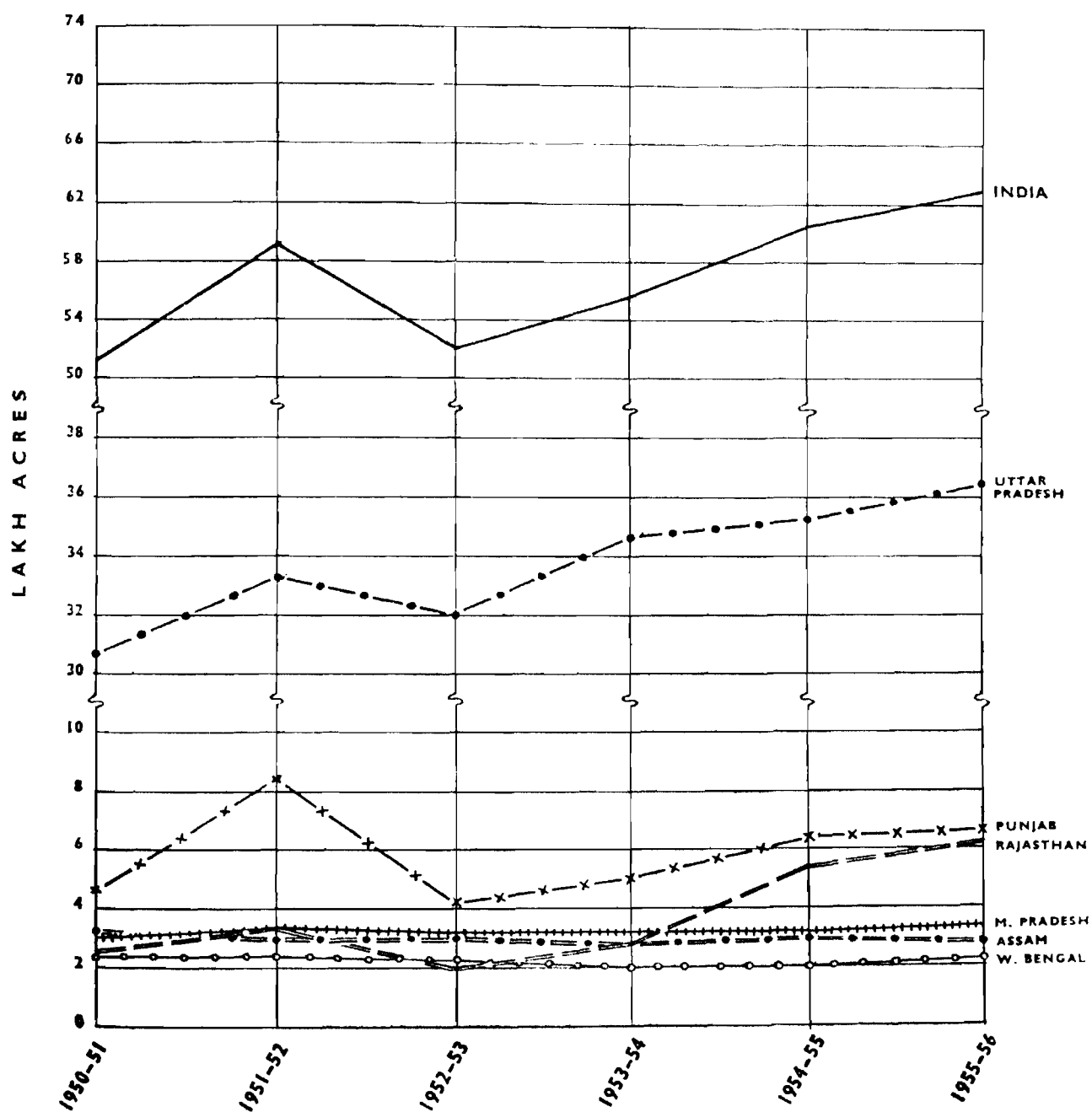


TABLE No. 19

**I. PRODUCTION (in thousand tons) OF RAPE-MUSTARD SEED IN THE MAJOR PRODUCING STATES IN INDIA**

Serial No.	State			1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Uttar Pradesh	..	..	451	565	539	537	615	408
2.	Punjab	..	..	74	101	59	84	108	106
3.	Rajasthan	..	..	35	35	26	34	85	99
4.	Madhya Pradesh	..	..	39	51	45	46	49	57
5.	Assam	..	..	55	51	45	45	45	51
6.	West Bengal	..	..	43	41	44	29	34	34
7.	Others	..	..	53	84	86	83	83	77
<b>India</b>	<i>british</i>	..	..	<b>750</b>	<b>928</b>	<b>844</b>	<b>858</b>	<b>1,019</b>	<b>832</b>
	<i>metric</i>	..	..	<b>762.0</b>	<b>942.9</b>	<b>857.5</b>	<b>871.8</b>	<b>1,035.4</b>	<b>845.4</b>

**II. AVERAGE YIELD (in lbs.) OF RAPE-MUSTARD SEED PER ACRE IN THE MAJOR GROWING STATES IN INDIA**

Serial No.	State			1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Uttar Pradesh	..	..	329	380	377	348	391	250
2.	Punjab	..	..	360	272	314	374	383	355
3.	Rajasthan	..	..	293	236	303	273	358	357
4.	Madhya Pradesh	..	..	290	332	324	327	341	382
5.	Assam	..	..	394	382	344	351	348	408
6.	West Bengal	..	..	406	396	436	319	372	340
<b>India</b>	<i>lbs. per acre</i>	..	..	<b>328</b>	<b>350</b>	<b>364</b>	<b>347</b>	<b>379</b>	<b>298</b>
	<i>kgs. per hectare</i>	..	..	<b>367</b>	<b>392</b>	<b>408</b>	<b>389</b>	<b>424</b>	<b>334</b>

Source : Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

## PROGRESS IN THE PRODUCTION OF RAPE-MUSTARD SEED IN INDIA

(Production of Rape-Mustard Seed in the major producing States)

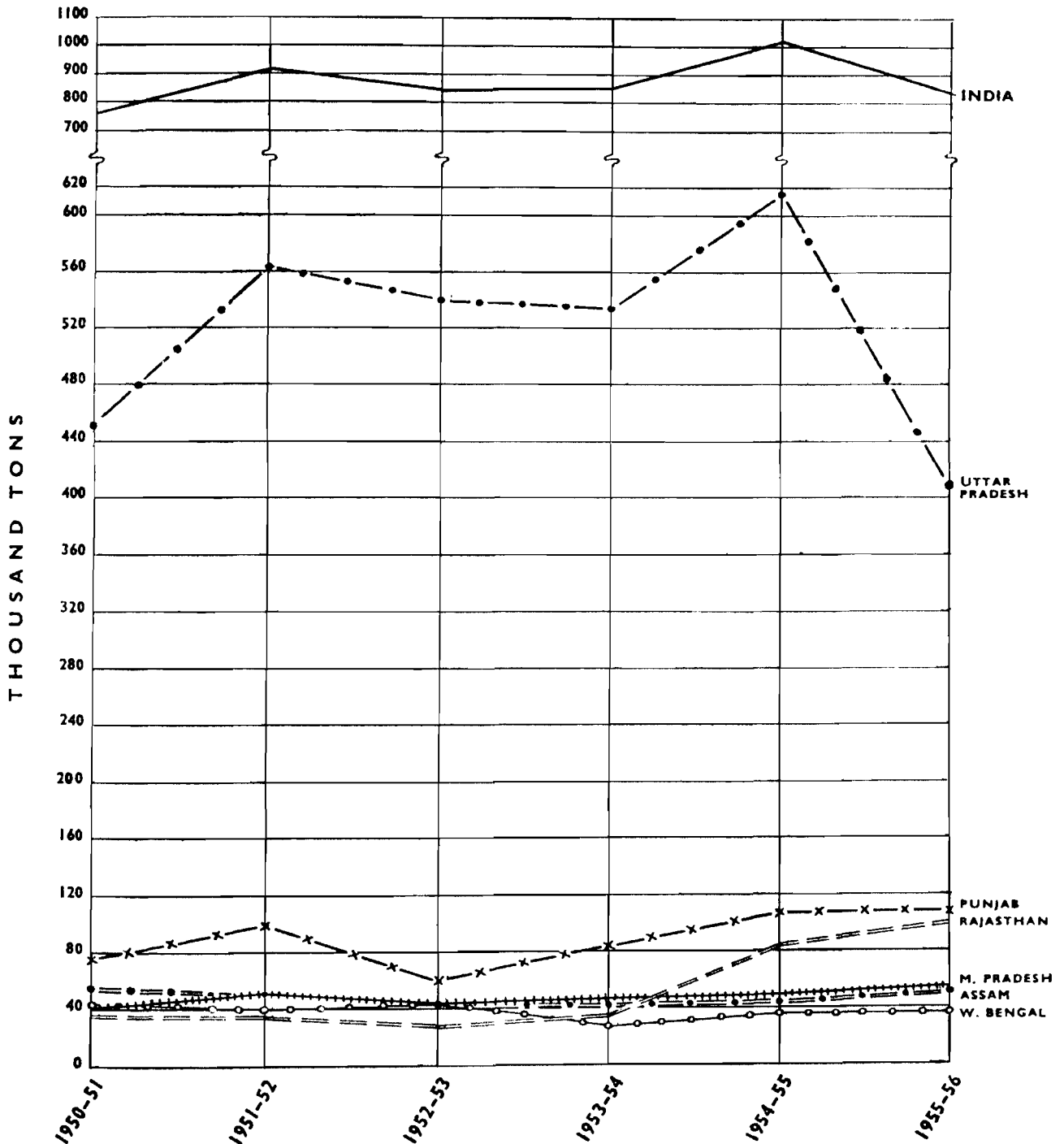


TABLE No. 20

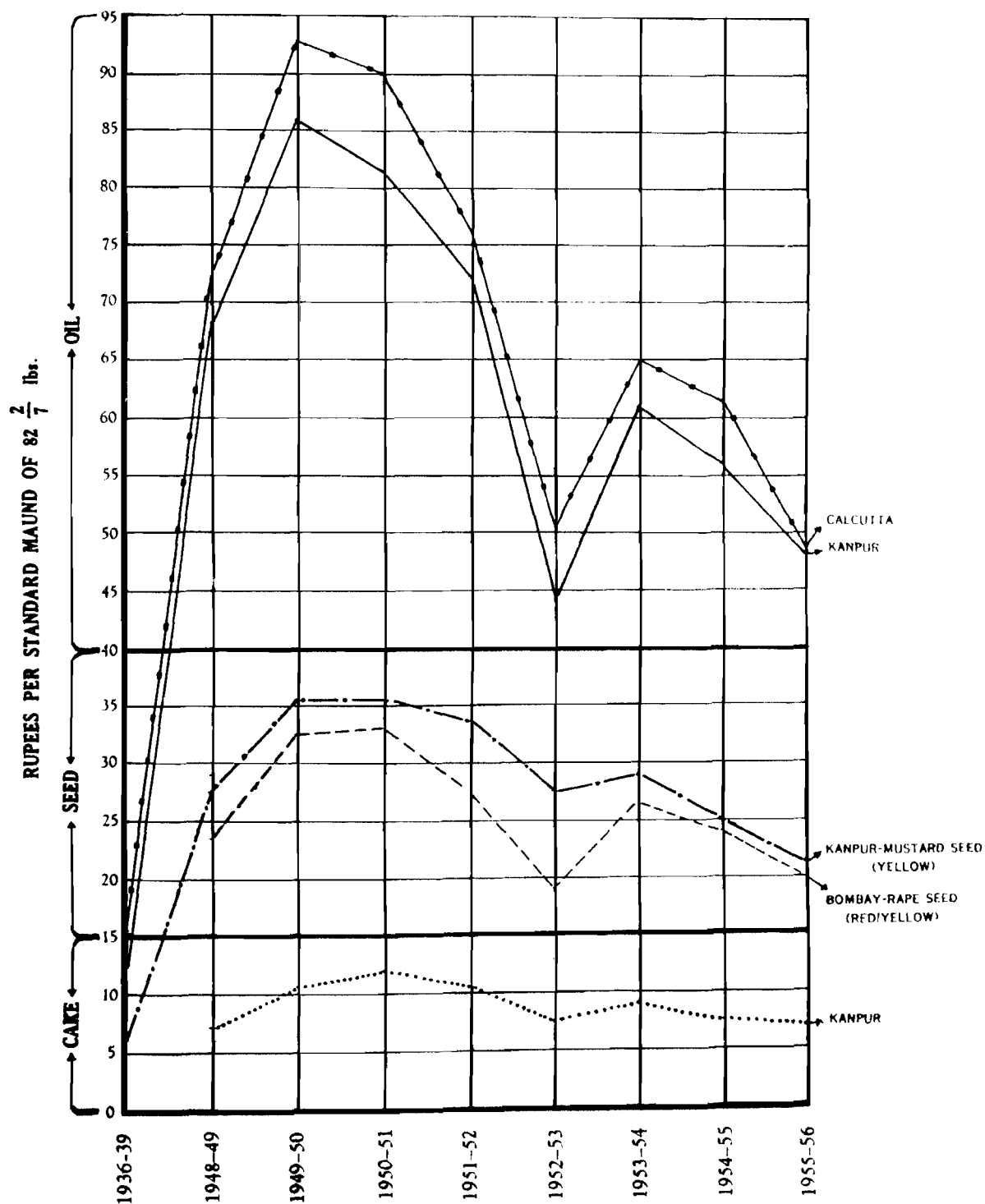
**AVERAGE ANNUAL (April to March) WHOLESAL E PRICES OF RAPE-MUSTARD SEED, OIL AND CAKE  
AT IMPORTANT MARKETS IN INDIA**

*(Rupees per Standard Maund of 82 2/7 lbs. or 37.32 Kilograms)*

Market/Commodity/ Variety	Average 1936-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
<b>SEED</b>									
Bombay—Rape Seed (Red/Yellow)	.. —	23.70	32.45	33.06	27.44	19.19	26.62	24.00	19.94
Kanpur—Mustard Seed (Yellow)	.. 5.89	27.73	35.58	35.56	33.31	27.44	29.00	24.87	21.31
<b>OIL</b>									
Kanpur	.. .. 12.56	67.50	85.87	81.50	71.81	44.50	60.94	56.19	47.87
Calcutta	.. .. 15.28	72.05	92.80	90.00	75.81	50.56	64.94	61.50	48.60
<b>CAKE</b>									
Kanpur	.. .. —	7.05	10.44	11.75	10.31	7.69	8.87	7.56	6.75

*Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

**AVERAGE ANNUAL WHOLESALE PRICES OF RAPE-MUSTARD SEED, OIL AND CAKE  
AT IMPORTANT MARKETS IN INDIA**

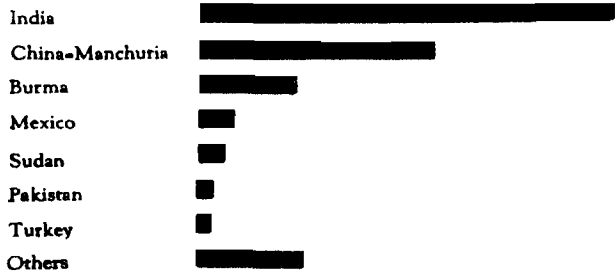


WORLD SESAMUMSEED

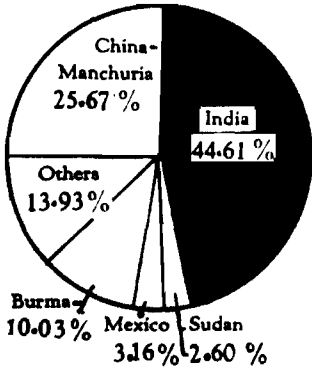
AVERAGE



AREA IN LAKH ACRES 0 10 20 30 40 50 60 70

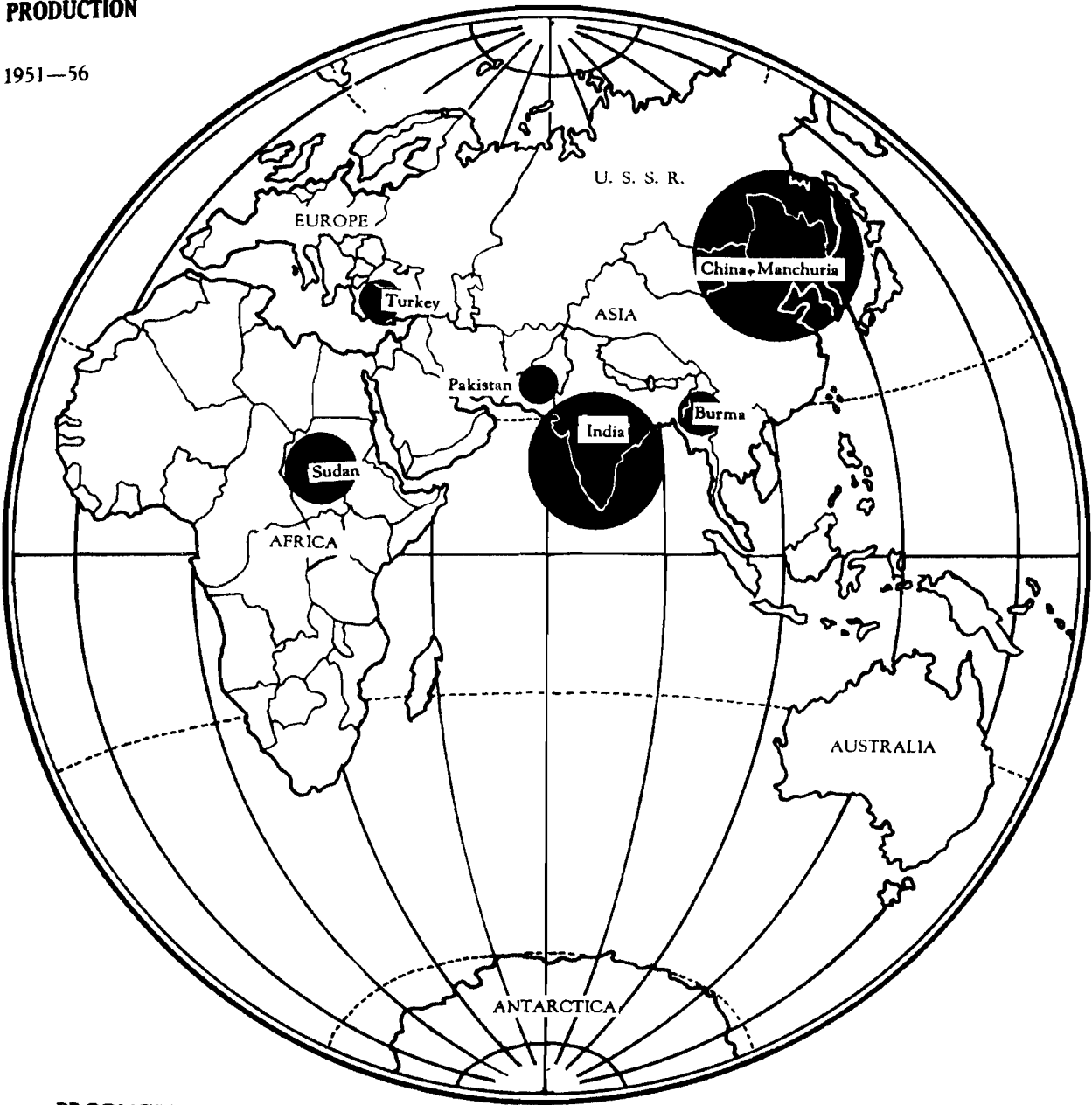


AREA

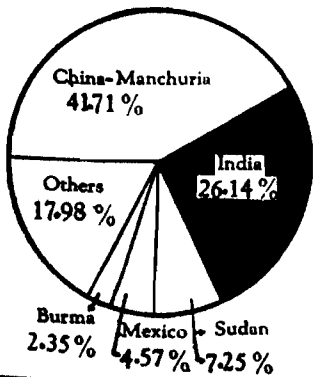


# PRODUCTION

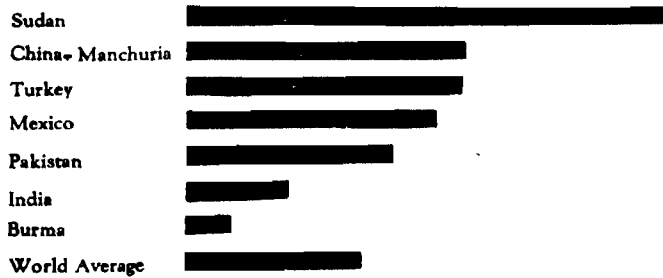
1951—56



## PRODUCTION



YIELD PER ACRE IN 100 LB. 0 1 2 3 4 5 6 7 8 9



**TABLE\* No. 21**  
**SESAMUM CROP IN THE WORLD**

(*Quinquennial Averages for 1951-56*)

Serial No.	Country	Area in thousand acres	Percentage of total area	Production in thousand tons	Percentage of total production	Yield in lbs. per acre
1.	China & Manchuria	3,500.0	25.67	801.0	41.71	513
2.	India	6,081.8	44.61	502.0	26.14	185
3.	Sudan	354.0	2.60	139.2	7.25	881
4.	Mexico	430.2	3.16	87.8	4.57	457
5.	Burma	1,366.8	10.03	45.2	2.35	74
6.	Turkey	170.4	1.25	38.6	2.01	507
7.	Pakistan	210.4	1.54	35.8	1.86	381
8.	Others	1,518.6	11.14	270.6	14.11	—
	<b>World Total</b>	<b>13,632.2</b>	<b>100.00</b>	<b>1,920.2</b>	<b>100.00</b>	<b>316</b>
		<b>=5,516.8</b> '000 hectares		<b>=1,951.0</b> '000 metric tons		<b>=354</b> kilograms per hectare

\* This table pertains to pages 46 and 47.

Source : Commonwealth Economic Committee's Review—"Vegetable Oils and Oilseeds."



TABLE\* No. 22

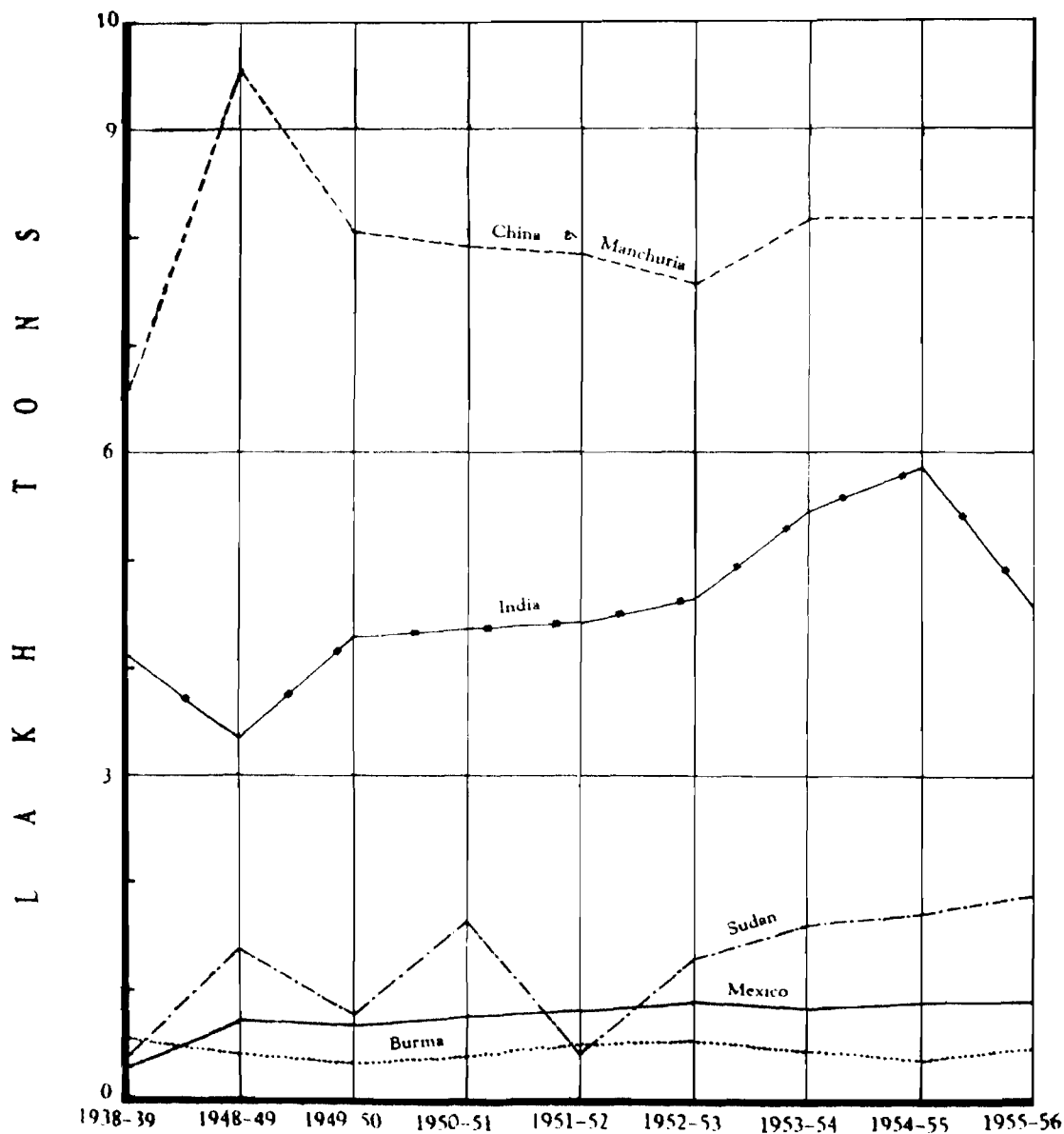
## PRODUCTION (in thousand tons) OF SESAMUM SEED IN THE MAJOR PRODUCING COUNTRIES OF THE WORLD

Serial No.	Country	1938-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	China & Manchuria	660	970	815	800	785	760	820	820	820
2.	India .. ..	413	336	431	438	445	464	554	589	458
3.	Sudan .. ..	36	139	78	166	40	130	161	175	190
4.	Mexico .. ..	26	72	69	79	85	89	86	89	90
5.	Burma .. ..	53	42	32	39	48	54	44	36	44
6.	Turkey .. ..	26	38	34	29	28	29	39	47	50
7.	Pakistan .. ..	33	29	25	34	34	36	36	36	37
8.	Others .. ..	182	243	258	240	252	268	266	283	284
		<b>1,429</b>	<b>1,869</b>	<b>1,742</b>	<b>1,825</b>	<b>1,717</b>	<b>1,830</b>	<b>2,006</b>	<b>2,075</b>	<b>1,973</b>
<b>World Total</b> { <i>british</i>										
{ <i>metric</i>										
		<b>1,451.9</b>	<b>1,899.0</b>	<b>1,770.0</b>	<b>1,854.3</b>	<b>1,744.6</b>	<b>1,859.4</b>	<b>2,038.2</b>	<b>2,108.3</b>	<b>2,004.7</b>

\* This table pertains to pages 50 and 51.

Source: Commonwealth Economic Committee's Review—Vegetable Oils and Oil-seeds.

TREND IN THE PRODUCTION OF SESAMUM SEED  
IN THE MAJOR PRODUCING COUNTRIES



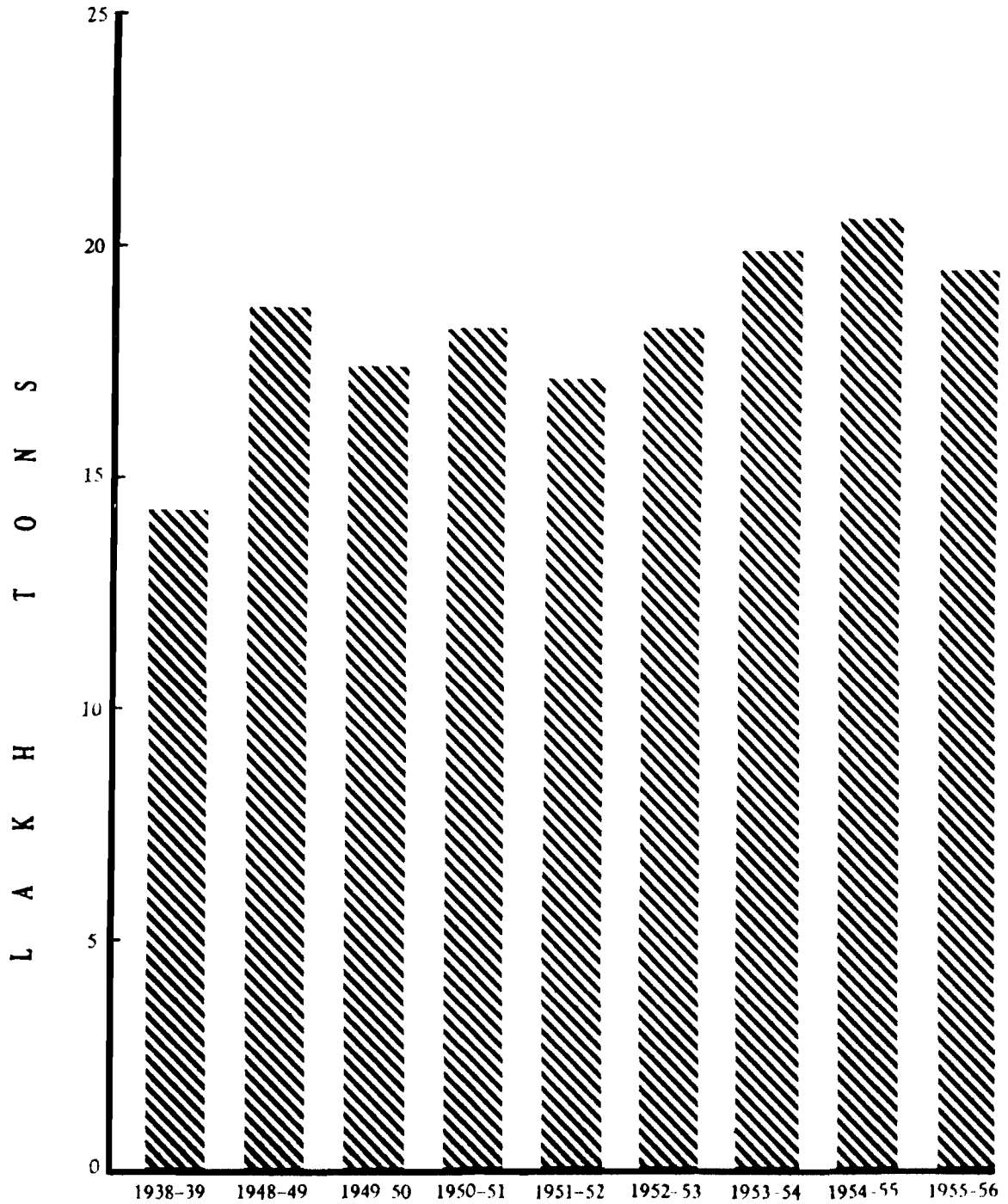
**TREND IN PRODUCTION OF SESAMUMSEED IN THE WORLD**

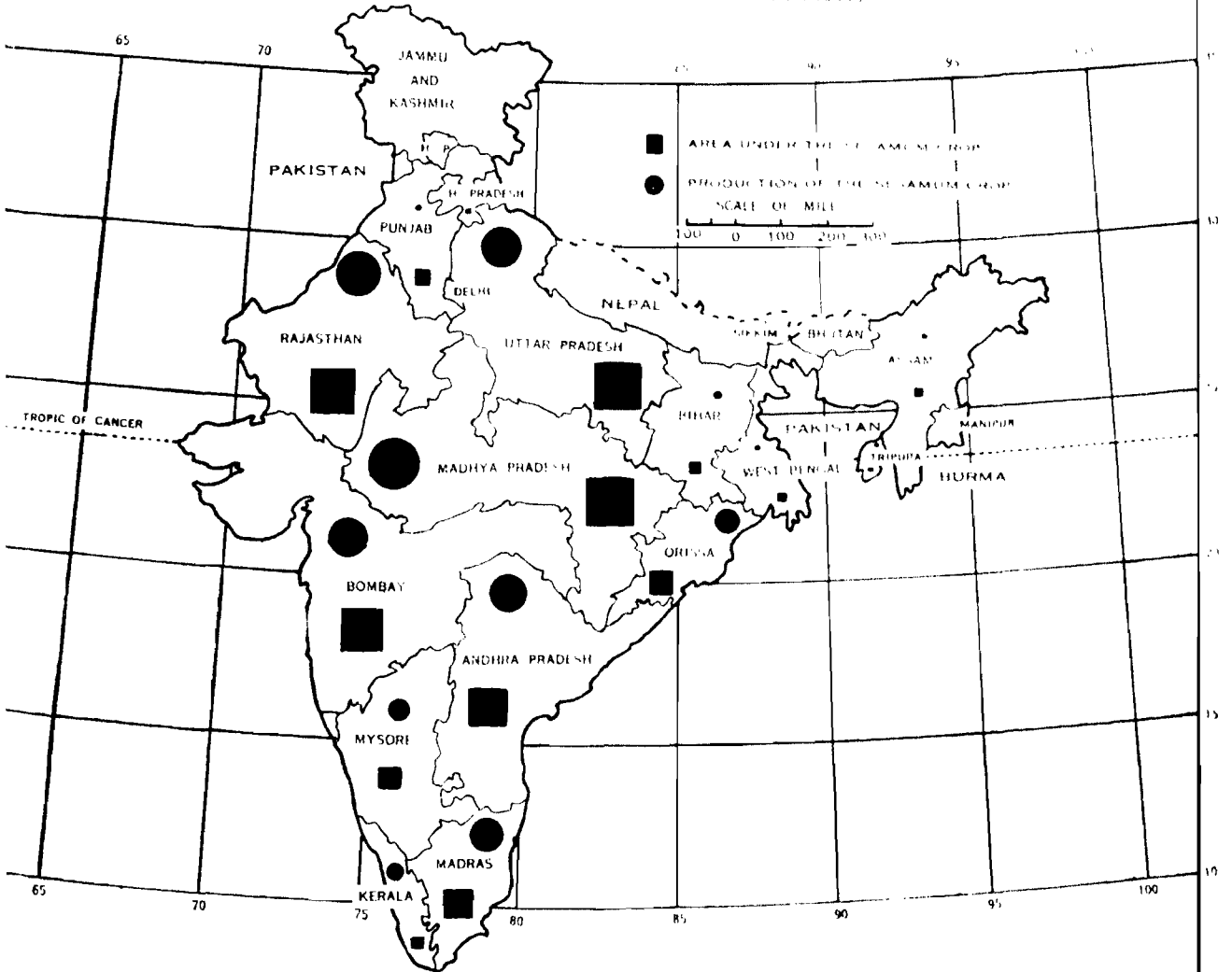
TABLE No. 23  
**AREA AND PRODUCTION OF SESAMUM IN INDIA**  
*(1955-56 Final Estimates)*

Serial No.	State				Area in thousand acres	Percentage of total area	Production in thousand tons	Percentage of total production	Yield in lbs. per acre
1.	Madhya Pradesh	..	..	..	1,106	19.3	98	21.4	198
2.	Rajasthan	..	..	..	982	17.1	78	17.0	178
3.	Uttar Pradesh	..	..	..	1,197	20.9	69	15.1	129
4.	Bombay	..	..	..	739	12.9	56	12.2	170
5.	Andhra Pradesh	..	..	..	674	11.8	51	11.1	170
6.	Madras	..	..	..	374	6.5	47	10.3	282
7.	Orissa	..	..	..	253	4.4	20	4.4	177
8.	Mysore	..	..	..	220	3.8	17	3.7	173
9.	Kerala	..	..	..	47	0.8	6	1.3	286
10.	Bihar	..	..	..	44	0.8	5	1.1	255
11.	Assam	..	..	..	14	0.2	4	0.9	640
12.	Punjab	..	..	..	65	1.1	4	0.9	138
13.	West Bengal	..	..	..	11	0.2	2	0.4	407
14.	Tripura	..	..	..	10	0.2	1	0.2	224
15.	Himachal Pradesh	..	..	..	2	—	<0.5	—	—
	<b>India</b>	..	..	..	<b>5,738</b>	<b>100.0</b>	<b>458</b>	<b>100.0</b>	<b>179</b>
					<b>=2,322.1</b> '000 hectares		<b>=465.4</b> '000 metric tons		<b>=200</b> kilograms per hectare

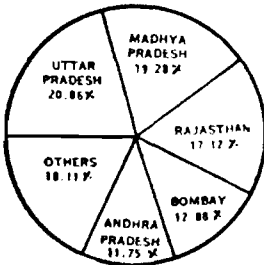
Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

# SESAMUM MAP OF INDIA

(1955-56 Final Estimates)



AREA



YIELD PER ACRE IN POUNDS

0 183 366 549 732



PRODUCTION

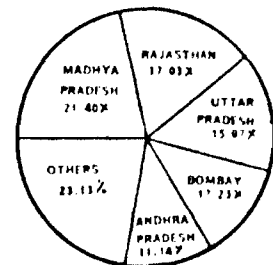


TABLE No. 24

**AREA (in thousand acres) UNDER SESAMUM IN THE MAJOR GROWING STATES IN INDIA**

Serial No.	State	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Uttar Pradesh .. ..	1,248	1,302	1,274	1,195	1,292	1,197
2.	Madhya Pradesh .. ..	1,006	1,110	1,039	1,216	1,223	1,106
3.	Rajasthan .. ..	713	797	858	1,058	1,323	982
4.	Bombay .. ..	799	826	867	930	892	739
5.	Andhra Pradesh .. ..	782	831	887	827	708	674
6.	Madras .. ..	307	421	287	431	380	374
7.	Others .. ..	590	655	662	694	683	666
	<b>India .. ..</b>	<b>5,445</b>	<b>5,942</b>	<b>5,874</b>	<b>6,351</b>	<b>6,501</b>	<b>5,738</b>
	'000 hectares .. ..	<b>2,203.5</b>	<b>2,404.6</b>	<b>2,377.1</b>	<b>2,570.2</b>	<b>2,630.9</b>	<b>2,322.1</b>

*Source : Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

## PROGRESS IN THE AREA UNDER SESAMUM IN INDIA

(Area under Sesamum Crop in the major growing States)

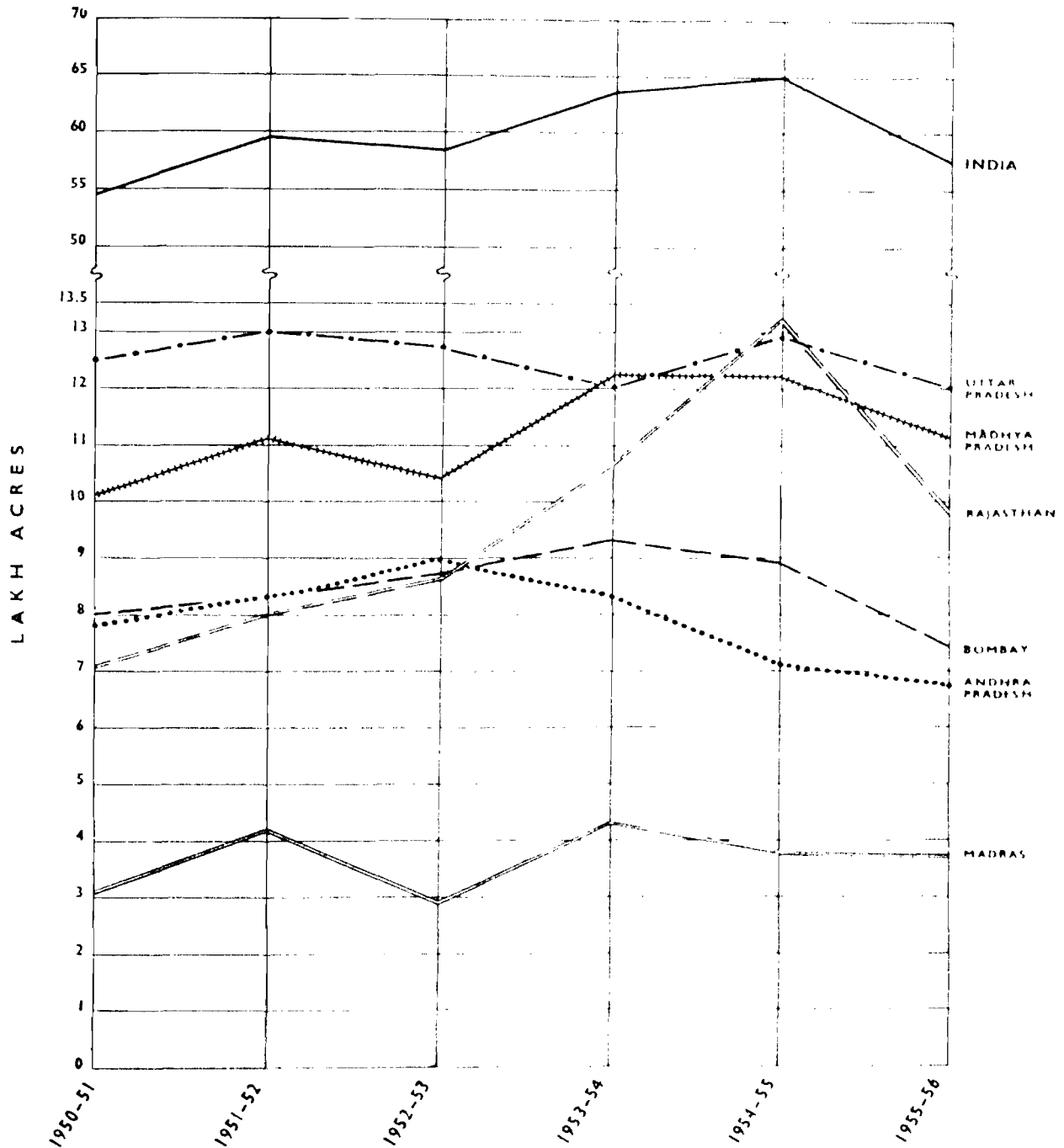


TABLE No. 25

**I. PRODUCTION (in thousand tons) OF SESAMUM SEED IN THE MAJOR PRODUCING STATES IN INDIA**

Serial No.	State	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Madhya Pradesh .. .. .	88	87	88	121	116	98
2.	Uttar Pradesh .. .. .	83	113	96	83	117	69
3.	Rajasthan .. .. .	53	28	66	96	108	78
4.	Andhra Pradesh .. .. .	63	70	79	63	58	51
5.	Bombay .. .. .	66	46	51	80	77	56
6.	Madras .. .. .	32	43	29	53	48	47
7.	Others .. .. .	53	58	55	58	65	59
<b>India</b>	<i>british</i> .. .. .	<b>438</b>	<b>445</b>	<b>464</b>	<b>554</b>	<b>589</b>	<b>458</b>
	<i>metric</i> .. .. .	<b>445.0</b>	<b>452.1</b>	<b>471.4</b>	<b>562.9</b>	<b>598.5</b>	<b>465.4</b>

**II. AVERAGE YIELD (in lbs.) OF SESAMUM SEED PER ACRE IN THE MAJOR GROWING STATES IN INDIA**

Serial No.	State	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Madhya Pradesh .. .. .	196	176	190	223	212	198
2.	Uttar Pradesh .. .. .	149	194	169	156	203	129
3.	Rajasthan .. .. .	166	79	172	203	183	178
4.	Andhra Pradesh .. .. .	181	189	200	171	183	170
5.	Bombay .. .. .	185	125	132	193	193	170
6.	Madras .. .. .	233	229	226	276	283	282
<b>India</b>	<i>lbs. per acre</i> .. .. .	<b>180</b>	<b>168</b>	<b>177</b>	<b>195</b>	<b>203</b>	<b>179</b>
	<i>kgs. per hectare</i> .. .. .	<b>202</b>	<b>188</b>	<b>198</b>	<b>218</b>	<b>227</b>	<b>200</b>

*Source : Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*



## PROGRESS IN THE PRODUCTION OF SESAMUM SEED IN INDIA

(Production of Sesamum Seed in the major producing States)

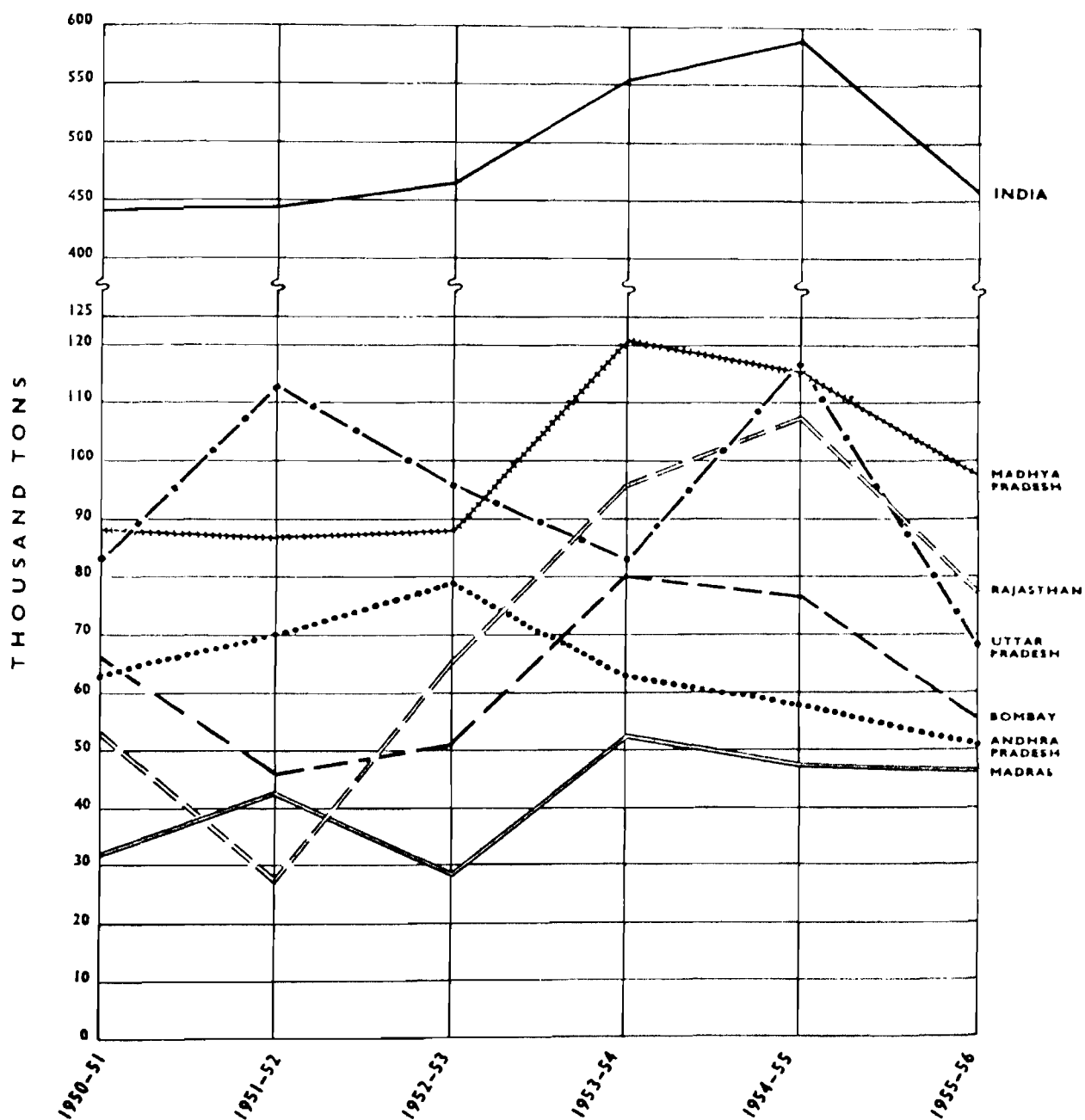


TABLE No. 26

**AVERAGE ANNUAL (January to December) WHOLESale PRICES OF SESAMUM SEED, OIL AND CAKE  
AT IMPORTANT MARKETS IN INDIA**

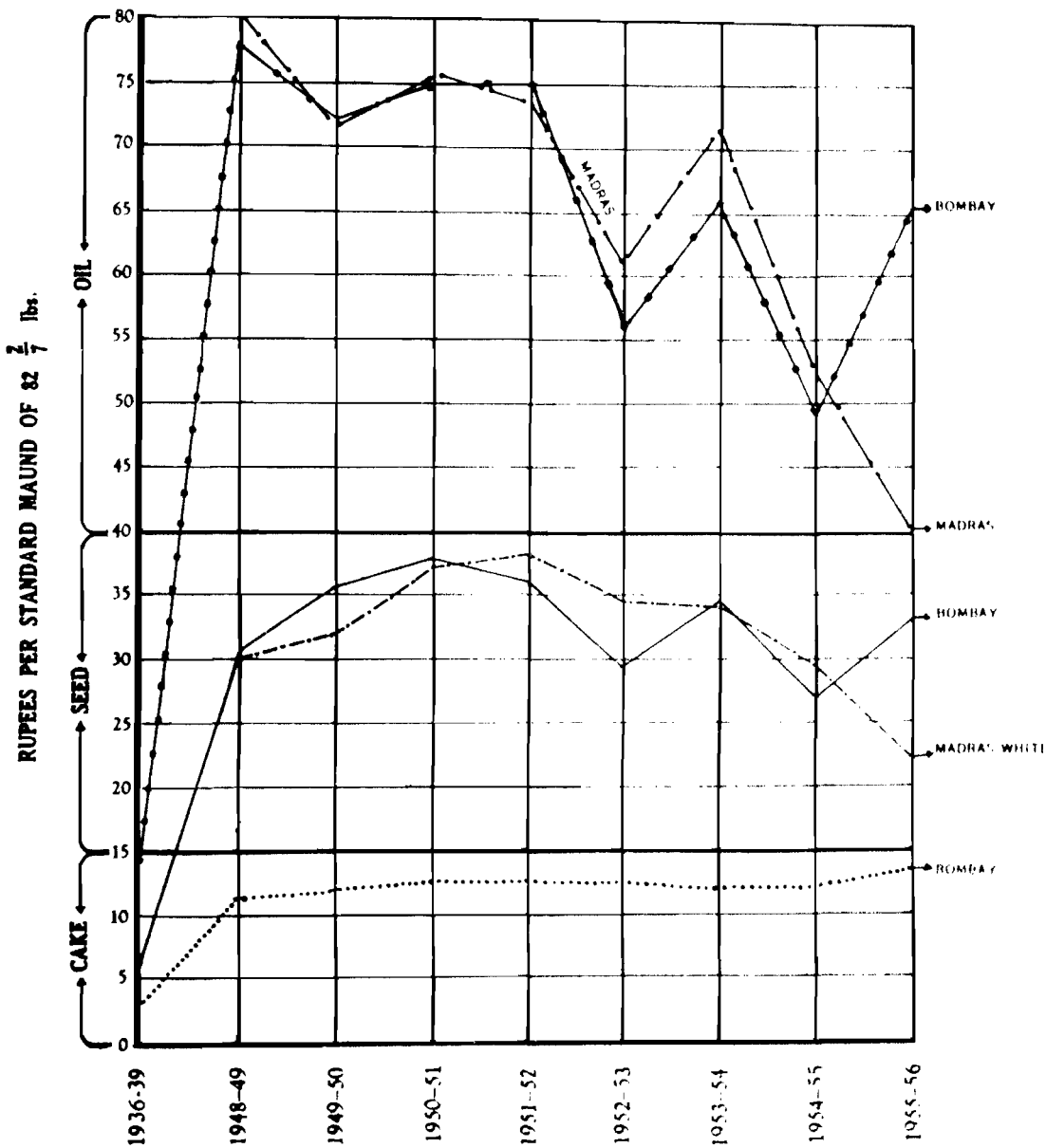
*(Rupees per Standard Maund of 82 2/7 lbs. or 37.32 Kilograms)*

Market/Commodity/ Variety	Average 1936-39	1948	1949	1950	1951	1952	1953	1954	1955
<b>SEED</b>									
Bombay .. ..	5.94	30.59	35.33	37.89	35.92	29.50	34.44	27.00	32.87
Madras—White .. ..	—	30.02	31.78	36.84	38.17	34.30	34.19	29.70	22.05
<b>OIL</b>									
Bombay .. ..	14.61	77.87	72.05	74.91	75.16	55.81	66.06	49.19	65.31
Madras .. ..	—	80.22	71.62	75.69	73.61	60.81	71.36	52.25	39.97
<b>CAKE</b>									
Bombay .. ..	3.11	11.30	12.00	12.66	12.47	12.50	11.75	12.12	13.25

*Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

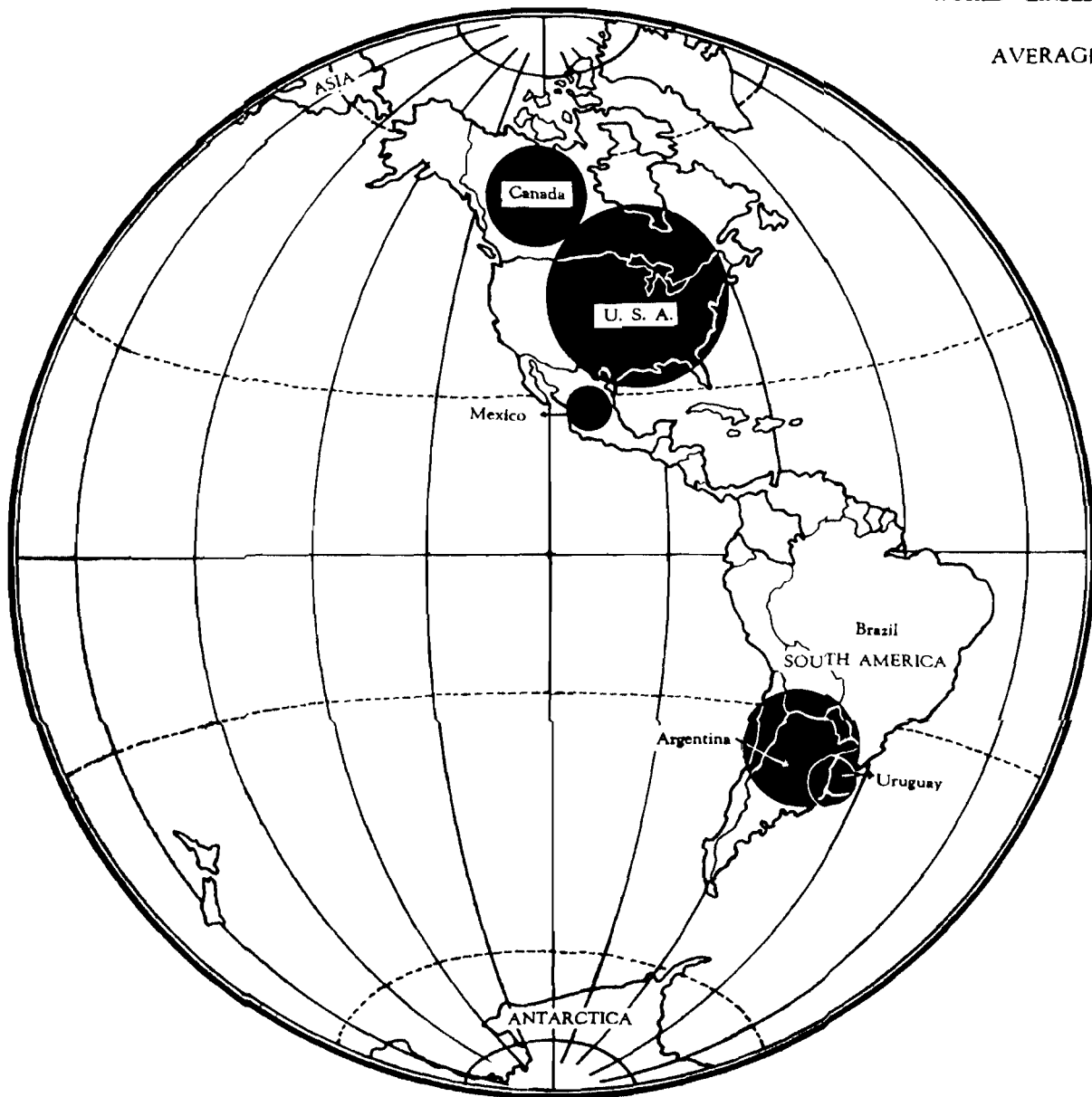
AVERAGE ANNUAL WHOLESALE PRICES OF SESAMUM SEED, OIL AND CAKE

AT IMPORTANT MARKETS IN INDIA

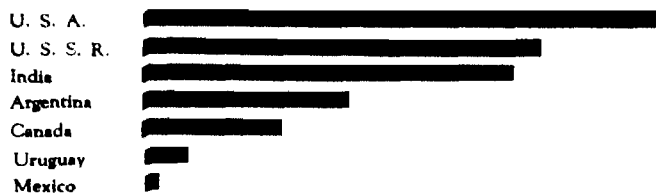


# WORLD LINSEED

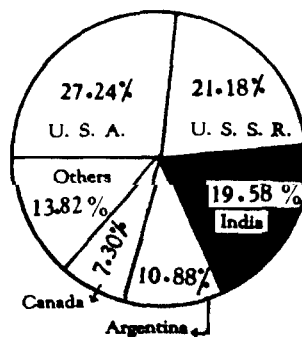
AVERAGE



AREA IN LAKH ACRES 0 6 12 18 24 30 36 42 48 54

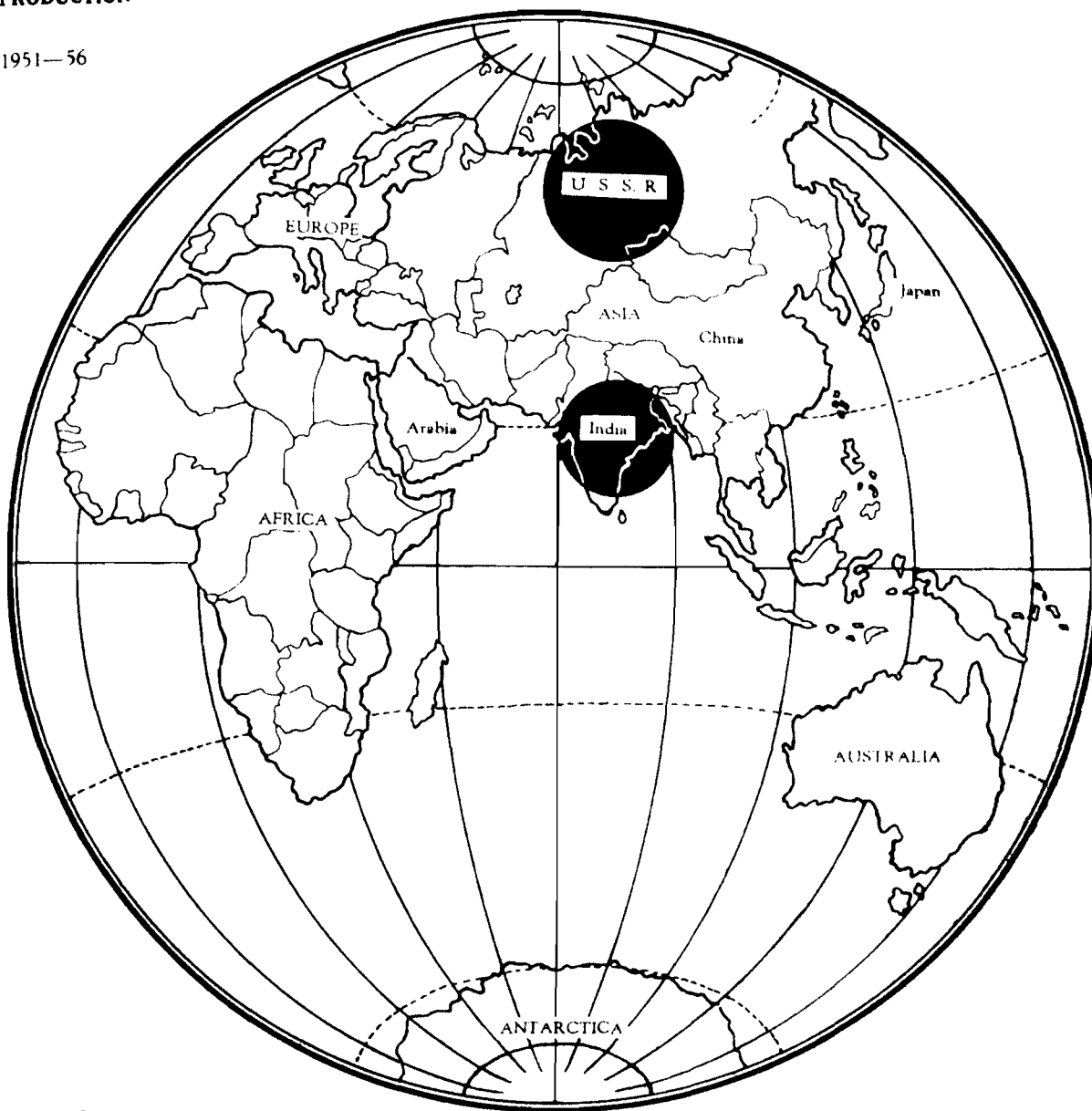


## AREA

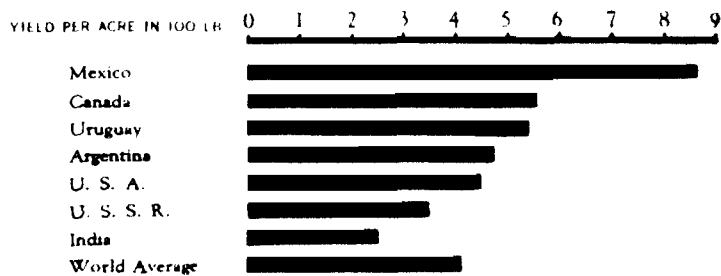
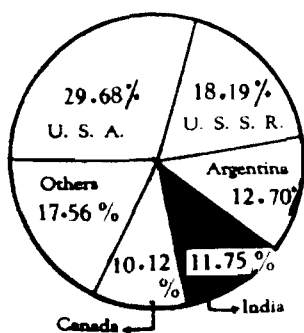


# PRODUCTION

1951—56



## PRODUCTION



TABLE\* No. 27  
**LINSEED CROP IN THE WORLD**  
*(Quinquennial Averages for 1951-56)*

Serial No.	Country	Area in thousand acres	Percentage of total area	Production in thousand tons	Percentage of total production	Yield in lbs. per acre
1.	U. S. A.	4,706.8	27.24	925.2	29.68	440
2.	U. S. S. R.	3,660.0	21.18	567.0	18.19	347
3.	Argentina	1,880.8	10.88	395.8	12.70	471
4.	India	3,382.6	19.58	366.2	11.75	243
5.	Canada	1,261.0	7.30	315.4	10.12	560
6.	Uruguay	357.6	2.07	86.8	2.78	544
7.	Mexico	103.6	0.60	39.8	1.28	861
8.	Others	1,926.6	11.15	420.8	13.50	—
<b>World Total</b>		<b>17,279.0</b>	<b>100.00</b>	<b>3,117.0</b>	<b>100.00</b>	<b>404</b>
		<b>=6,992.6</b> <i>'000 hectares</i>		<b>=3,167.0</b> <i>'000 metric tons</i>		<b>=453</b> <i>kilograms per hectare</i>

\* This table pertains to pages 60 and 61.

Source: Commonwealth Economic Committee's Review—"Vegetable Oils and Oilseeds."

TABLE\* No. 28

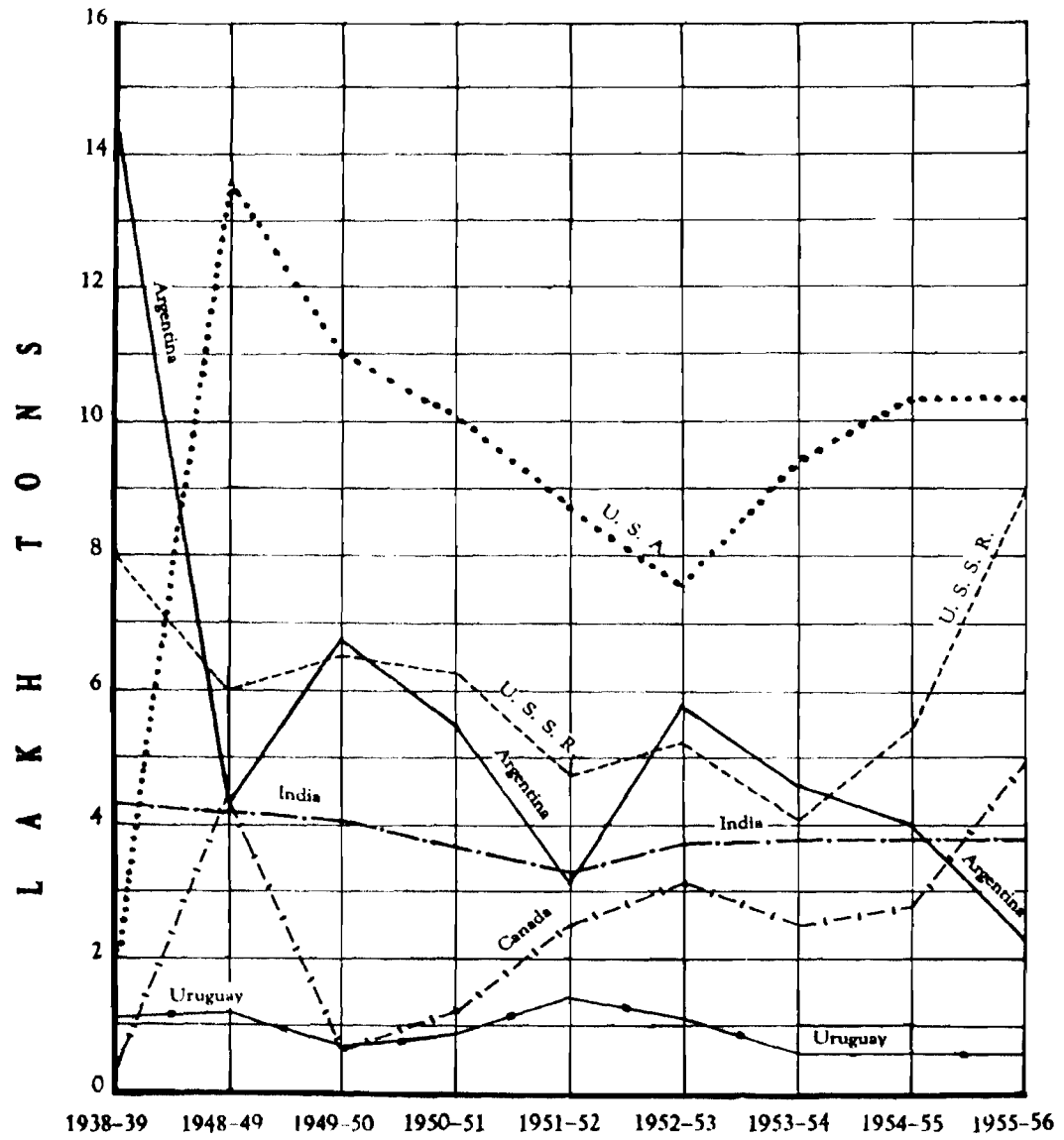
## PRODUCTION (in thousand tons) OF LINSEED IN THE MAJOR PRODUCING COUNTRIES OF THE WORLD

Serial No.	Country	1938-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	U. S. A. ..	201	1,363	1,099	1,006	867	755	941	1,032	1,031
2.	U. S. S. R. ..	800	600	650	625	475	515	410	535	900
3.	Argentina ..	1,425	426	665	550	308	575	463	399	234
4.	India ..	429	423	411	361	328	366	379	382	376
5.	Canada ..	31	443	57	117	247	307	248	281	494
6.	Uruguay ..	110	115	74	89	139	107	63	62	63
7.	Mexico ..	2	48	50	52	59	58	48	17	17
8.	Others ..	245	450	523	414	435	444	413	402	410
World Total		3,243	3,868	3,529	3,214	2,858	3,127	2,965	3,110	3,525
		3,295.1	3,930.1	3,585.6	3,265.6	2,903.9	3,177.2	3,012.6	3,159.9	3,581.6

\* This table pertains to pages 64 and 65.

Source: Commonwealth Economic Committee's Review—Vegetable Oils and Oilseeds.

TREND IN THE PRODUCTION OF LINSEED  
IN THE MAJOR PRODUCING COUNTRIES





## TREND IN PRODUCTION OF LINSEED IN THE WORLD

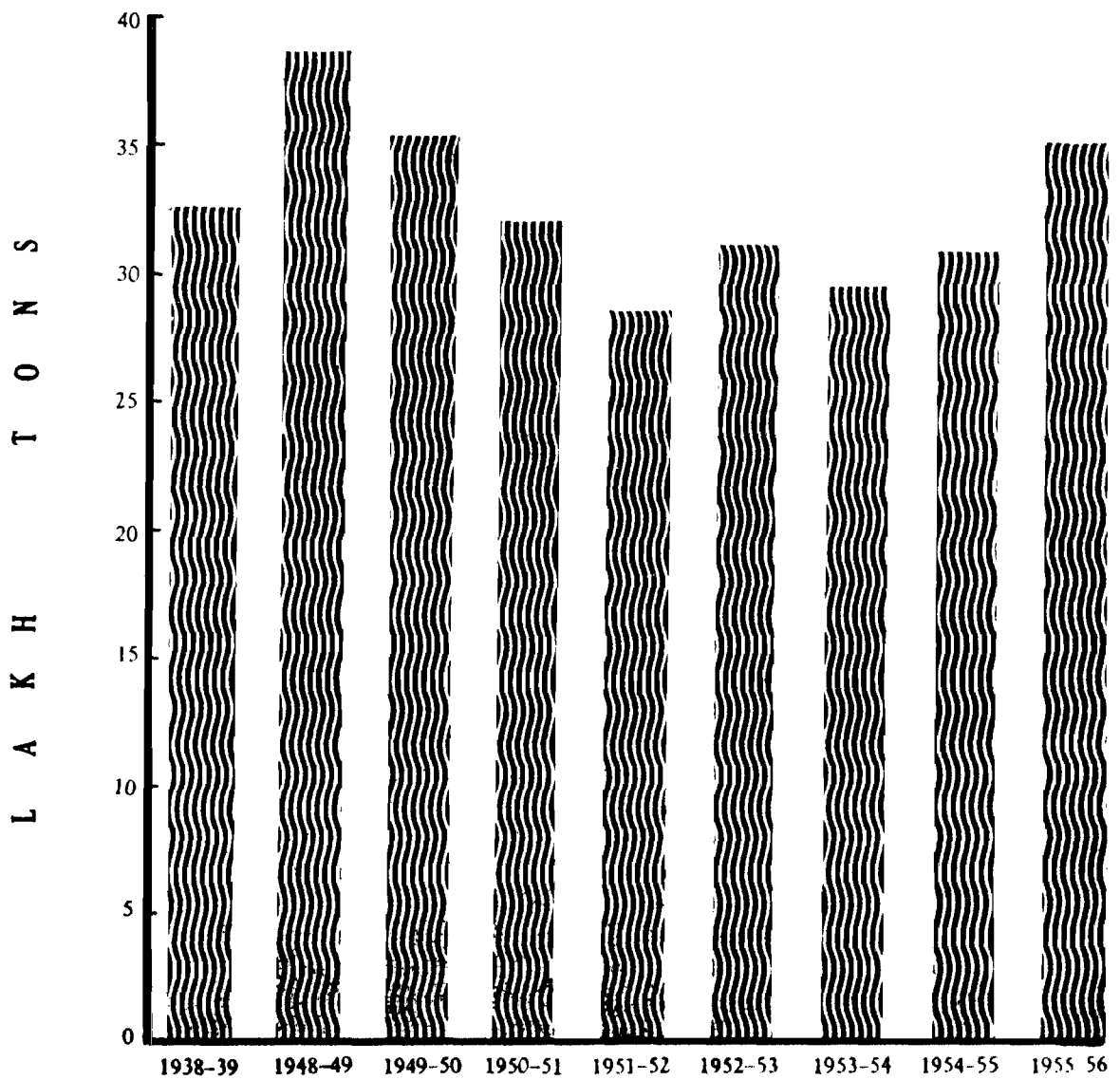


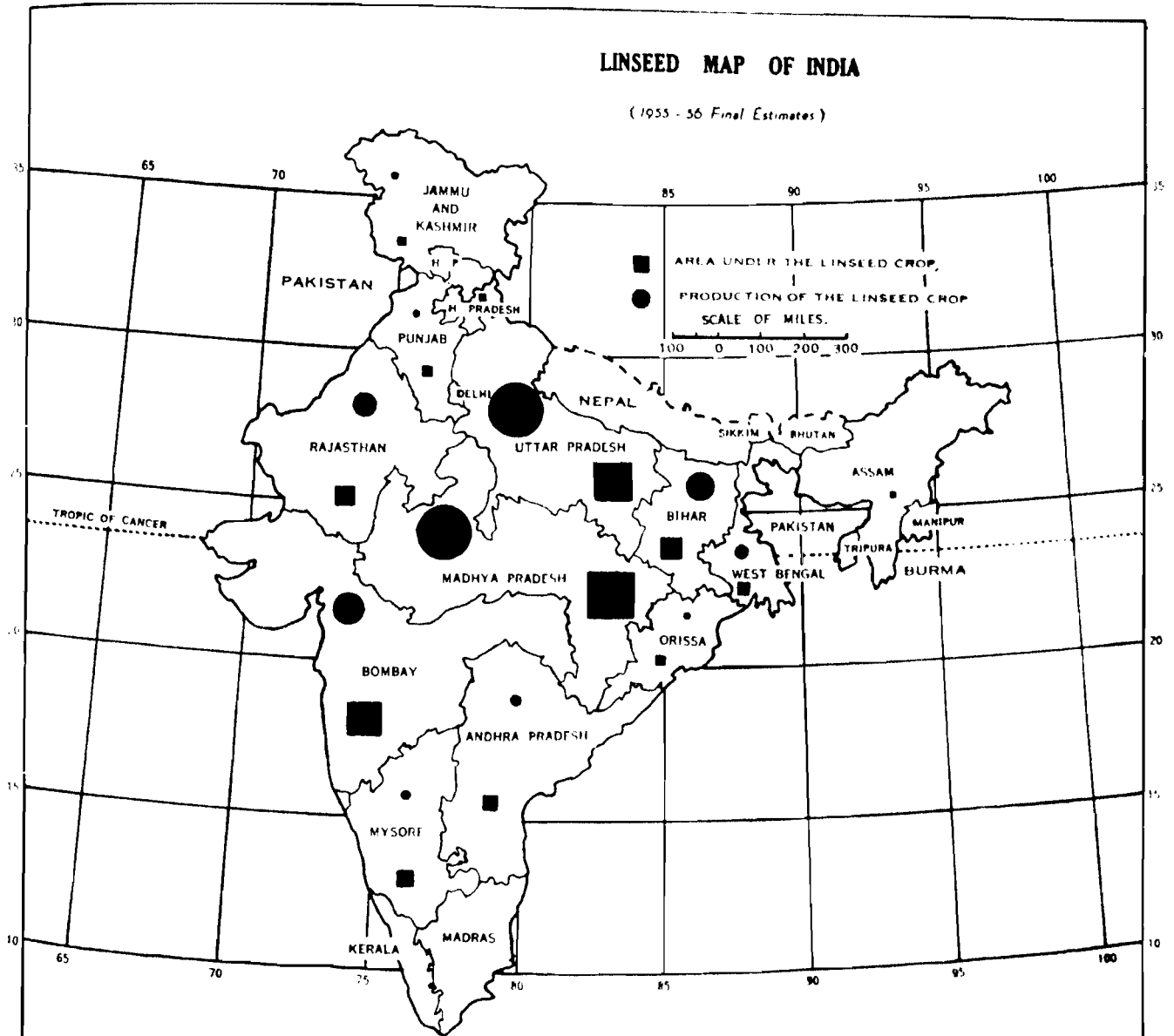
TABLE No. 29  
**AREA AND PRODUCTION OF LINSEED IN INDIA**  
*(1955-56 Final Estimates)*

Serial No.	State				Area in thousand acres	Percentage of total area	Production in thousand tons	Percentage of total production	Yield in lbs. per acre
1.	Madhya Pradesh	..	..	..	1,293	37.8	124	33.0	215
2.	Uttar Pradesh	..	..	..	815	23.8	120	31.9	330
3.	Bombay	..	..	..	549	16.0	48	12.8	196
4.	Bihar	..	..	..	232	6.8	29	7.7	280
5.	Rajasthan	..	..	..	167	4.9	24	6.4	322
6.	West Bengal	..	..	..	90	2.6	11	2.9	274
7.	Mysore	..	..	..	116	3.4	7	1.9	131
8.	Andhra Pradesh	..	..	..	89	2.6	6	1.6	151
9.	Orissa	..	..	..	26	0.8	3	0.8	258
10.	Punjab	..	..	..	28	0.8	2	0.5	160
11.	Jammu & Kashmir	..	..	..	14	0.4	2	0.5	320
12.	Assam	..	..	..	3	0.1	<0.5	—	—
13.	Himachal Pradesh	..	..	..	2	—	<0.5	—	—
	<b>India</b>	..	..	..	<b>3,424</b>	<b>100.0</b>	<b>376</b>	<b>100.0</b>	<b>246</b>
					=1,385.6 '000 hectares		=382.0 '000 metric tons		=276 kilograms per hectare

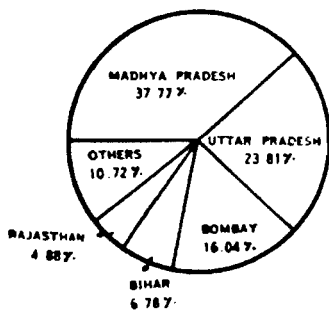
Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

# LINSEED MAP OF INDIA

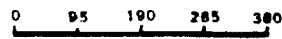
(1955 - 56 Final Estimates)



## AREA



## YIELD PER ACRE IN POUNDS.



## PRODUCTION

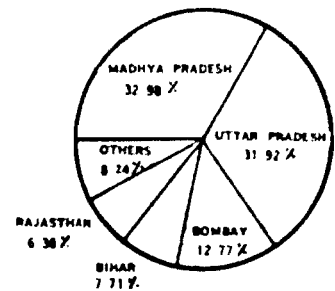


TABLE No. 30

**AREA (in thousand acres) UNDER LINSEED IN THE MAJOR GROWING STATES IN INDIA**

Serial No.	State	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Madhya Pradesh .. .. .	1,248	1,345	1,229	1,235	1,232	1,293
2.	Uttar Pradesh .. .. .	787	744	784	888	839	815
3.	Bombay .. .. .	590	483	482	501	525	549
4.	Bihar .. .. .	267	293	327	313	246	232
5.	Rajasthan .. .. .	132	120	204	148	167	167
6.	Others .. .. .	443	424	340	343	345	368
	<b>India .. .. .</b>	<b>3,467</b>	<b>3,409</b>	<b>3,366</b>	<b>3,428</b>	<b>3,354</b>	<b>3,424</b>
	'000 hectares .. .. .	<b>1,403.0</b>	<b>1,379.6</b>	<b>1,362.2</b>	<b>1,387.3</b>	<b>1,357.3</b>	<b>1,385.6</b>

*Source : Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

## PROGRESS IN THE AREA UNDER LINSEED IN INDIA

(Area under Linseed Crop in the major growing States)

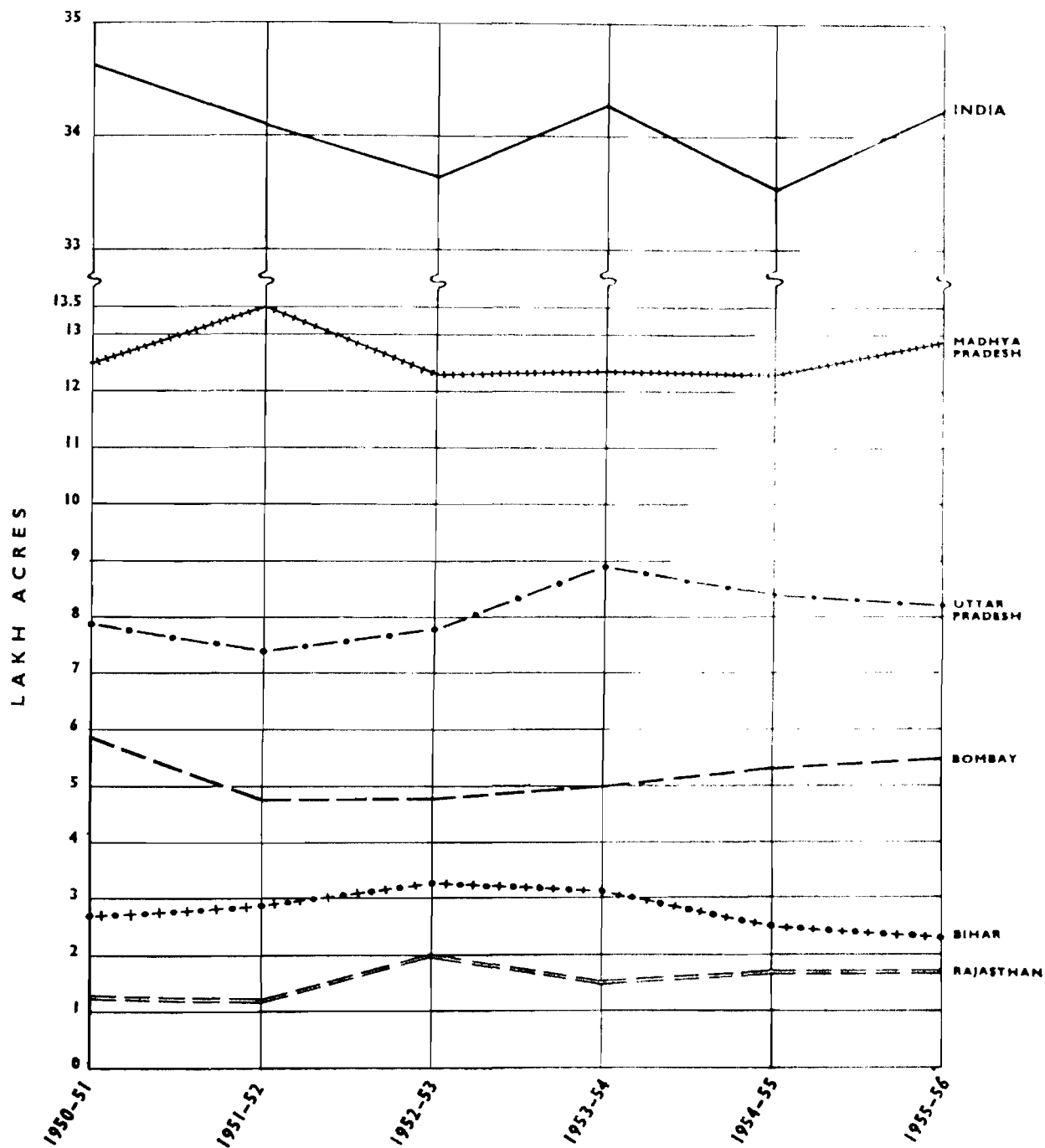


TABLE No. 31

**I. PRODUCTION (in thousand tons) OF LINSEED IN THE MAJOR PRODUCING STATES IN INDIA**

Serial No.	State	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Uttar Pradesh .. .. .	130	115	132	139	144	120
2.	Madhya Pradesh .. .. .	108	93	97	100	105	124
3.	Bombay .. .. .	48	40	36	44	50	48
4.	Bihar .. .. .	23	25	36	36	25	29
5.	Rajasthan .. .. .	13	6	27	24	28	24
6.	Others .. .. .	39	49	38	36	30	31
	<b>India</b> { <i>british</i> .. .. .	<b>361</b>	<b>328</b>	<b>366</b>	<b>379</b>	<b>382</b>	<b>376</b>
	{ <i>metric</i> .. .. .	<b>366.8</b>	<b>333.3</b>	<b>371.9</b>	<b>385.1</b>	<b>388.1</b>	<b>382.0</b>

**II. AVERAGE YIELD (in lbs.) OF LINSEED PER ACRE IN THE MAJOR GROWING STATES IN INDIA**

Serial No.	State	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Uttar Pradesh .. .. .	370	346	377	351	384	330
2.	Madhya Pradesh .. .. .	194	155	177	181	191	215
3.	Bombay .. .. .	182	185	167	197	213	196
4.	Bihar .. .. .	193	191	247	258	228	280
5.	Rajasthan .. .. .	221	112	297	363	376	322
	<b>India</b> { <i>lbs. per acre</i> .. .. .	<b>233</b>	<b>215</b>	<b>243</b>	<b>248</b>	<b>255</b>	<b>246</b>
	{ <i>kgs. per hectare</i> .. .. .	<b>261</b>	<b>241</b>	<b>272</b>	<b>278</b>	<b>286</b>	<b>276</b>

Source : Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

## PROGRESS IN THE PRODUCTION OF LINSEED IN INDIA

(Production of Linseed in the major producing States)

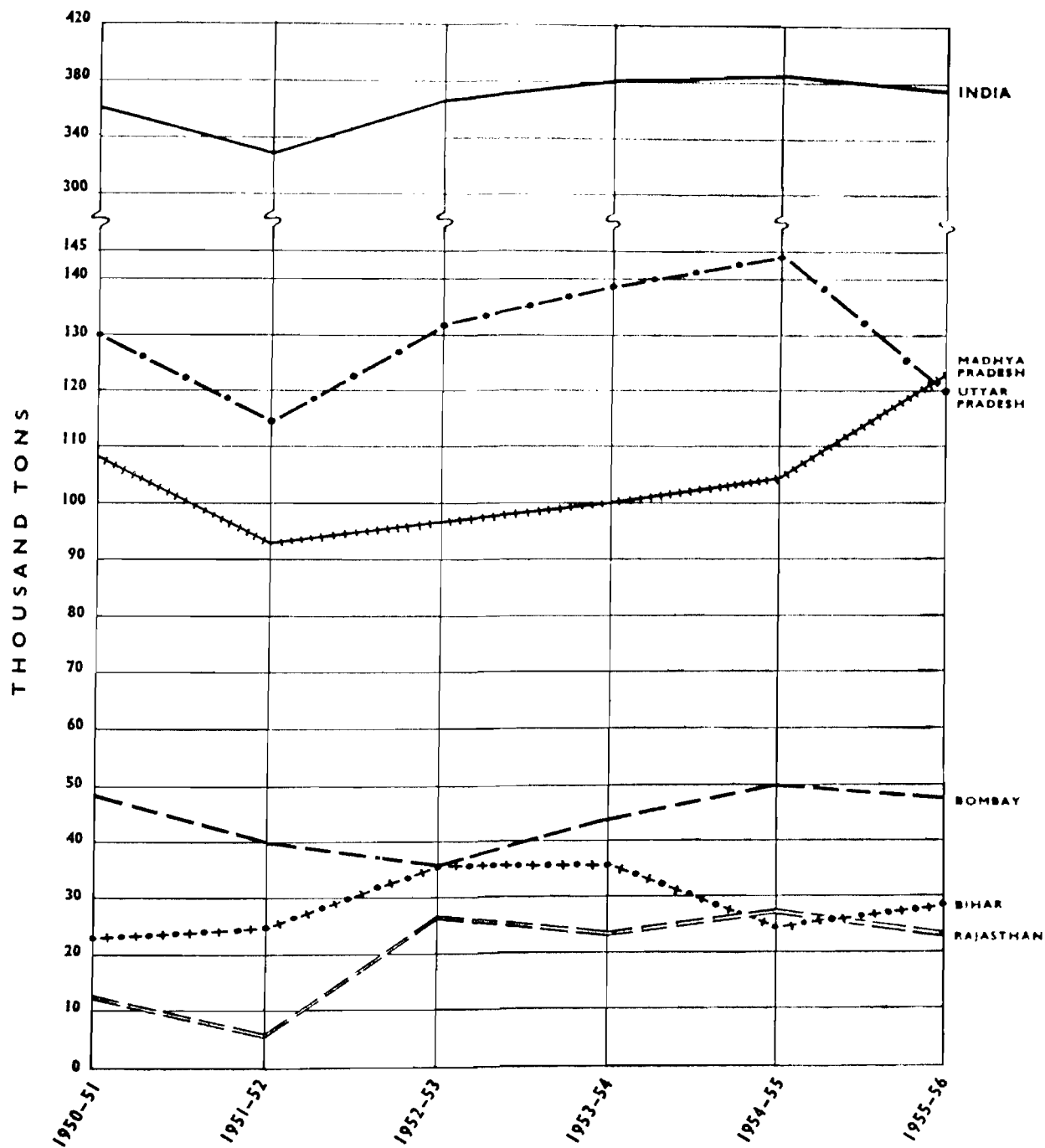


TABLE No. 32

**AVERAGE ANNUAL (April to March) WHOLESALE PRICES OF LINSEED, OIL AND CAKE  
AT IMPORTANT MARKETS IN INDIA**

(Rupees per Standard Maund of 82.27 lbs. or 37.32 Kilograms)

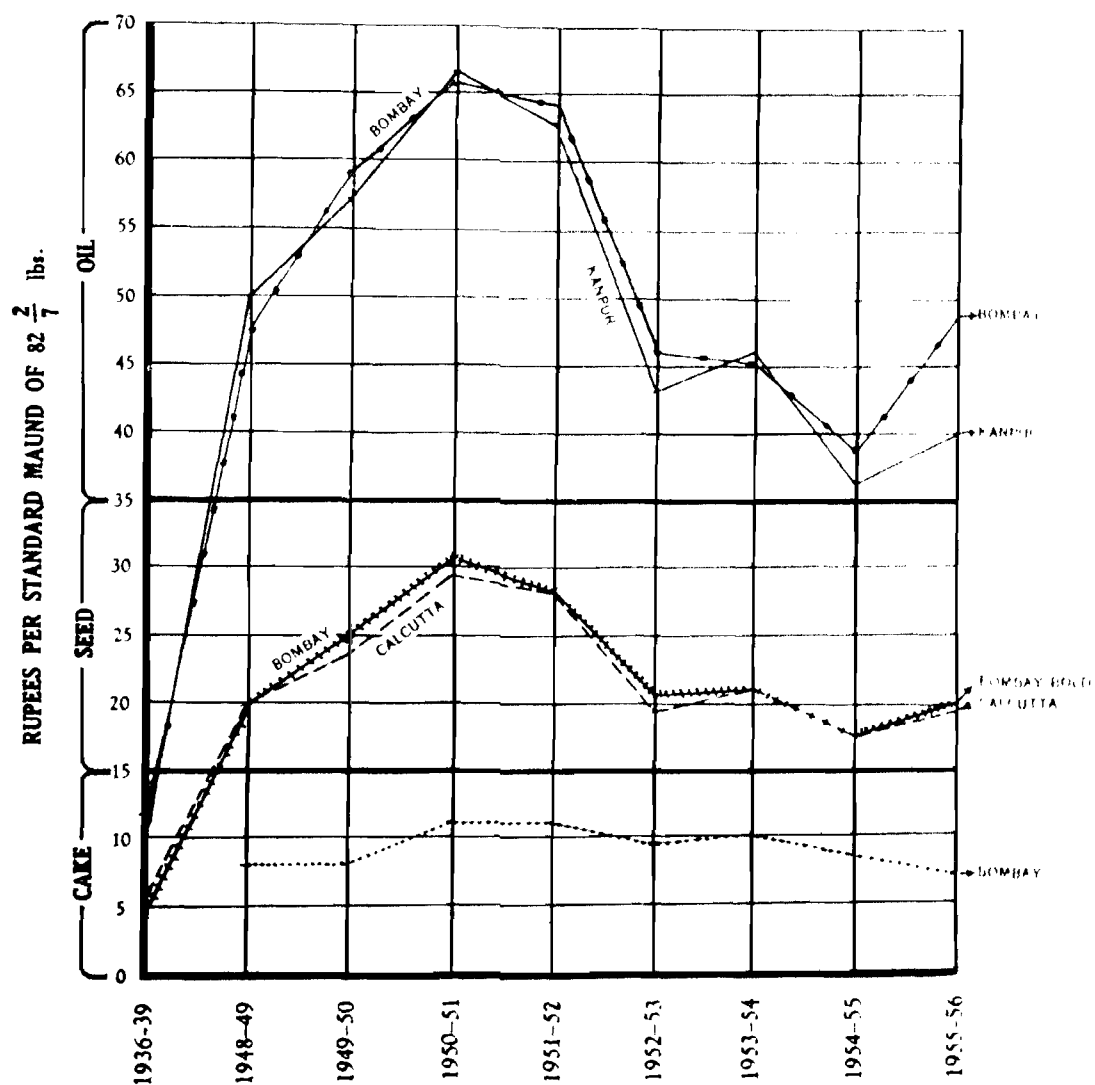
Market/Commodity/ Variety	Average 1936-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
<b>SEED</b>									
Bombay—Bold ..	5.19	19.94	24.92	30.61	28.06	20.69	21.00	17.25	19.75
Calcutta—Small ..	5.87	20.14	23.58	29.70	28.06	19.37	20.87	17.30	19.72
<b>OIL</b>									
Bombay ..	11.56	47.66	58.81	66.00	64.12	46.12	45.31	38.50	48.31
Kanpur ..	10.87	49.92	56.86	66.34	62.56	43.06	45.94	36.14	40.00
<b>CAKE</b>									
Bombay ..	—	7.75	7.92	11.20	10.94	9.44	9.75	8.50	7.12

Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

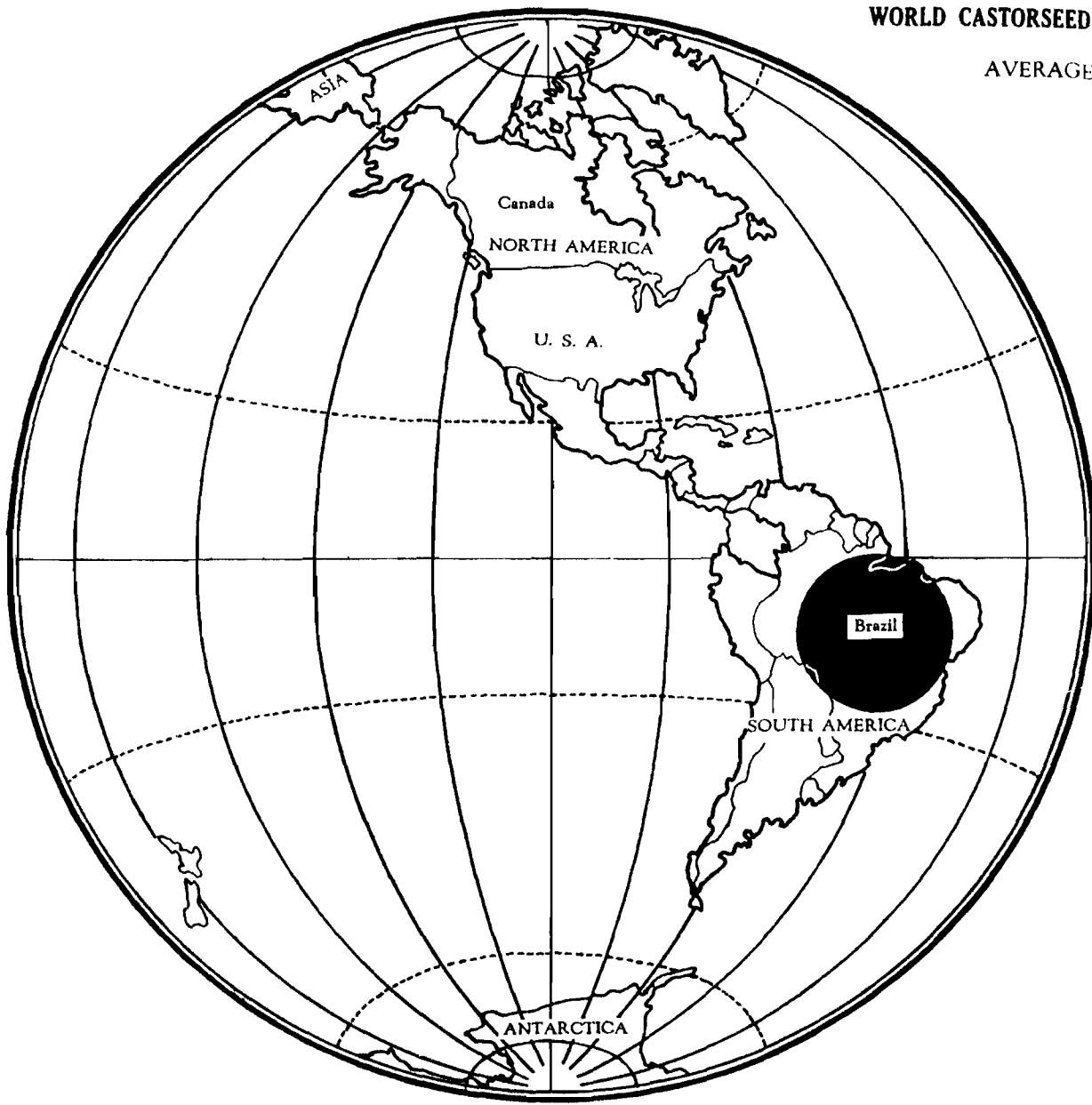


# AVERAGE ANNUAL WHOLESALE PRICES OF LINSEED, OIL AND CAKE

## AT IMPORTANT MARKETS IN INDIA

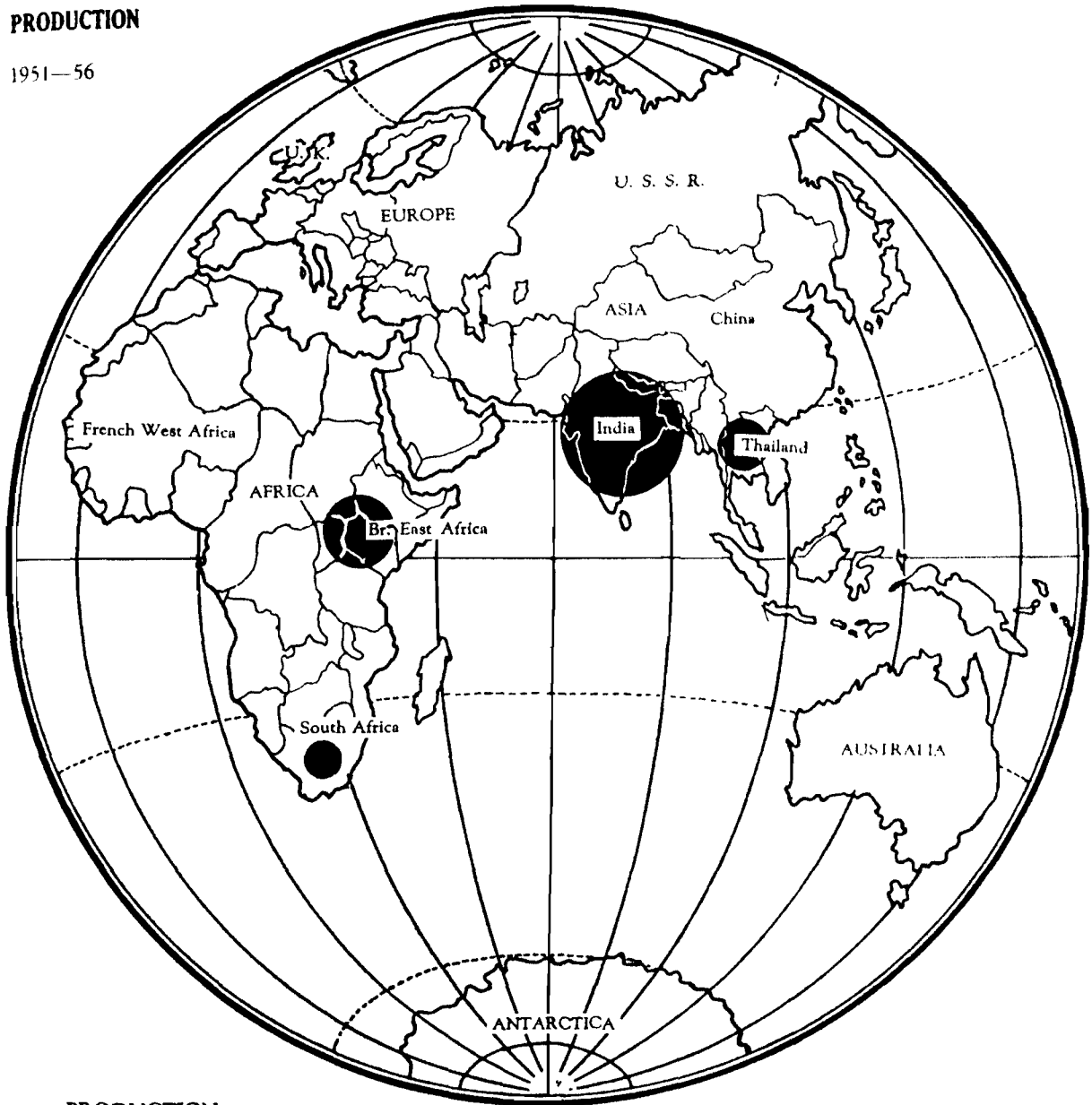


WORLD CASTORSEED  
AVERAGE



# PRODUCTION

1951—56



## PRODUCTION

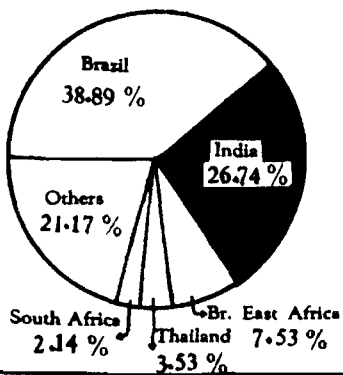


TABLE No. 33  
**CASTOR CROP IN THE WORLD**  
*(Quinquennial Averages for 1951-56)*

Serial No.	Country						Production in thousand tons	Percentage of total production
1.	Brazil	..	..	..	..	..	163.2	38.89
2.	India	..	..	..	..	..	112.2	26.74
3.	British East Africa	..	..	..	..	..	31.6	7.53
4.	Thailand	..	..	..	..	..	14.8	3.53
5.	South Africa	..	..	..	..	..	9.0	2.14
6.	Others	..	..	..	..	..	88.8	21.17
	<b>World Total</b>	..	..	..	..	..	<b>419.6</b>	<b>100.00</b>
							<b>=426.3</b> *000 metric tons	

\* This table pertains to pages 74 and 75.

Source : Commonwealth Economic Committee's Review—"Vegetable Oils and Oilseeds."

TABLE\* No. 34

## PRODUCTION (in thousand tons) OF CASTOR SEED IN THE MAJOR PRODUCING COUNTRIES OF THE WORLD

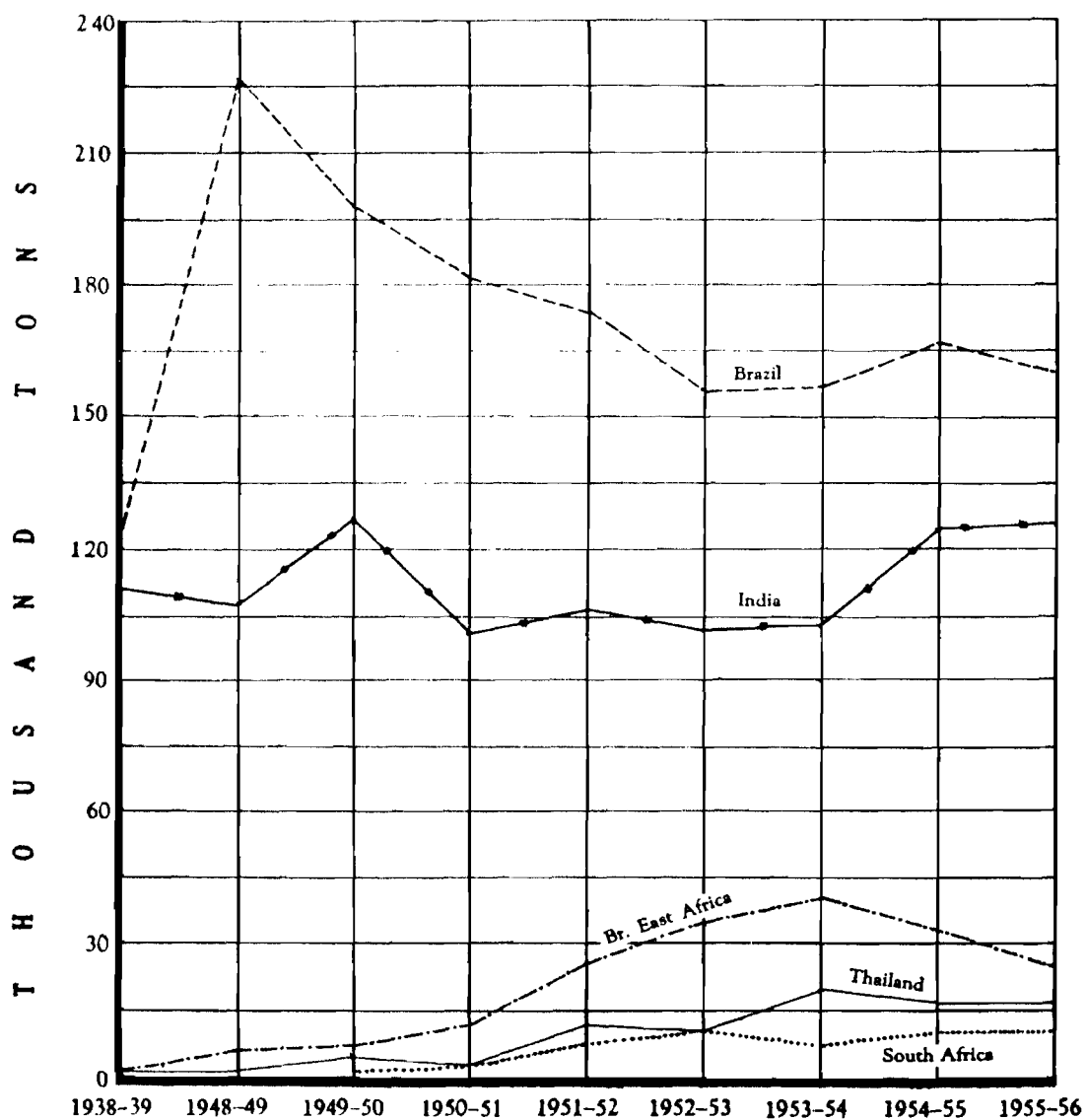
Serial No.	Country	1938-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Brazil .. ..	125	227	198	181	174	156	158	167	161
2.	India .. ..	111	108	128	101	106	102	103	124	126
3.	British East Africa	1	6	7	12	25	35	40	33	25
4.	Thailand .. ..	2	2	4	3	12	10	20	16	16
5.	South Africa ..	—	—	1	3	7	10	8	10	10
6.	Others .. ..	53	68	62	67	84	90	114	84	72
	<b>World</b>   <i>British</i>	<b>292</b>	<b>411</b>	<b>400</b>	<b>367</b>	<b>408</b>	<b>403</b>	<b>443</b>	<b>434</b>	<b>410</b>
	<b>Total†</b>   <i>metric</i>	<b>296.7</b>	<b>417.6</b>	<b>406.4</b>	<b>372.9</b>	<b>414.5</b>	<b>409.5</b>	<b>450.1</b>	<b>441.0</b>	<b>416.6</b>

\*This table pertains to pages 78 and 79.

†Excluding Soviet Union, Eastern Europe and China

Source: Commonwealth Economic Committee's Review—'Vegetable Oils and Oilseeds'

TREND IN THE PRODUCTION OF CASTOR SEED  
IN THE MAJOR PRODUCING COUNTRIES



## TREND IN PRODUCTION OF CASTORSEED IN THE WORLD

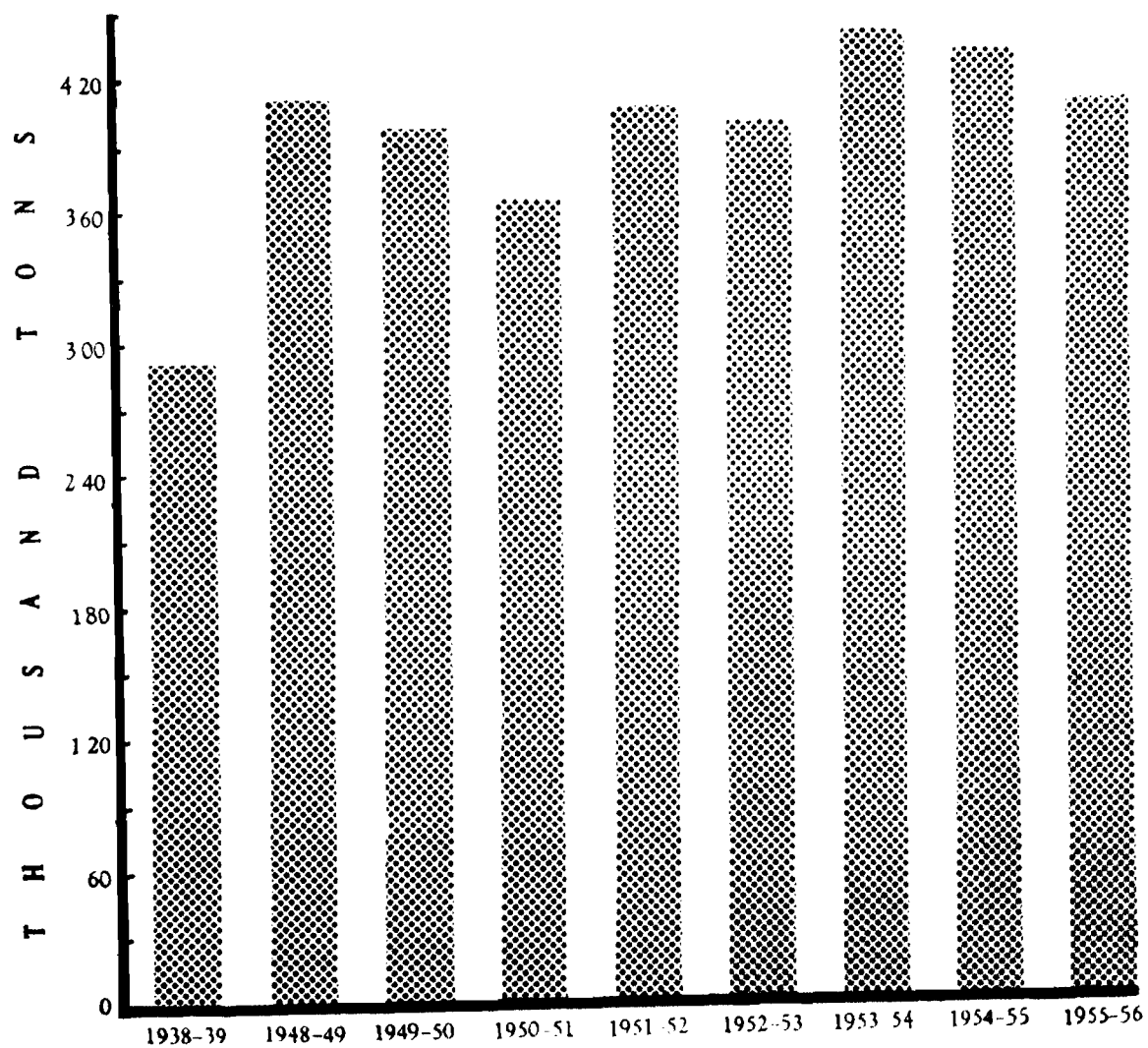


TABLE No. 35  
**AREA AND PRODUCTION OF CASTOR IN INDIA**  
*(1955-56 Final Estimates)*

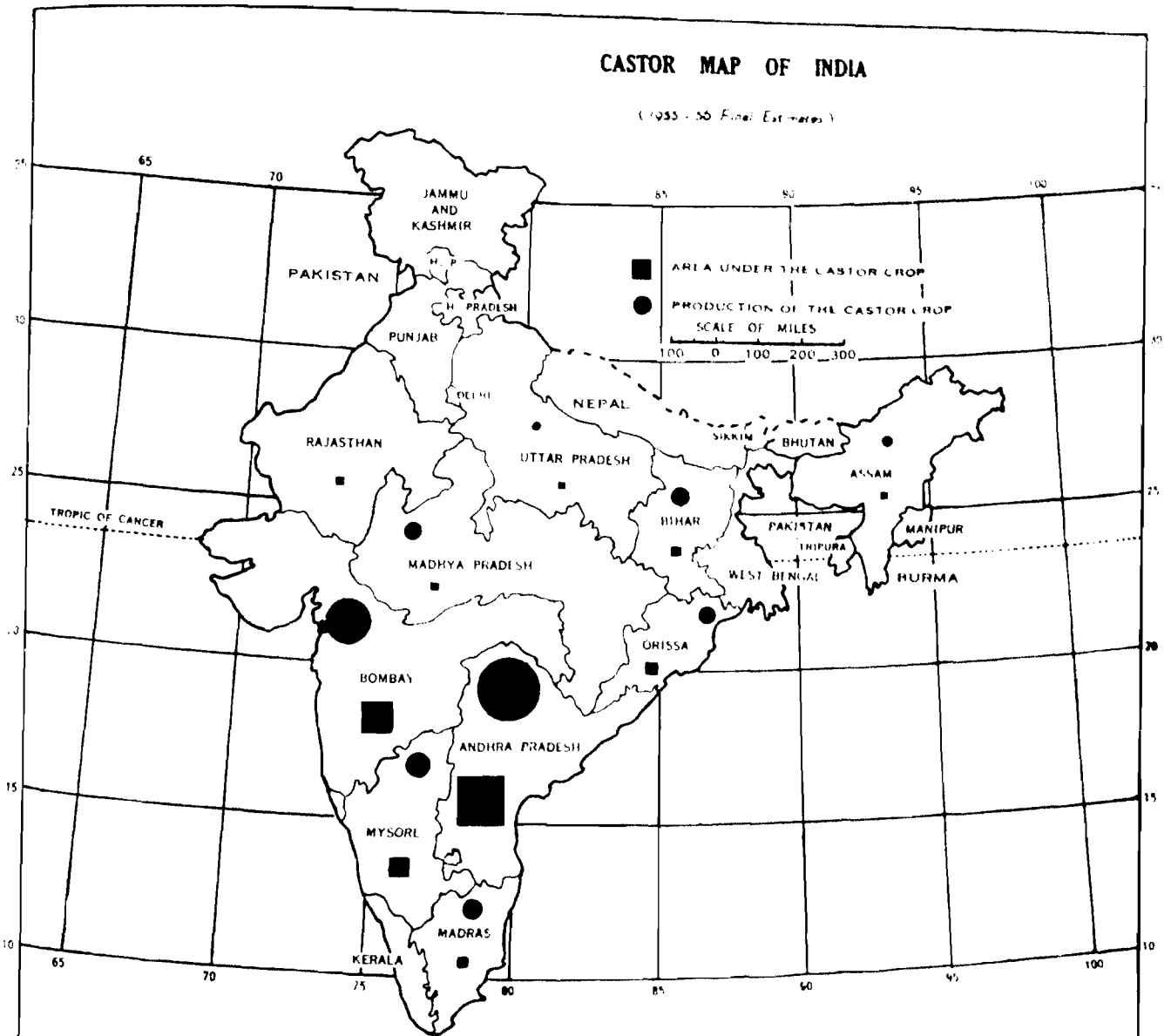
Serial No.	State				Area in thousand acres	Percentage of total area	Production in thousand tons	Percentage of total produc- tion	Yield in lbs. per acre
1.	Andhra Pradesh	..	..	..	886	60.6	63	50.0	159
2.	Bombay	..	..	..	314	21.5	34	27.0	243
3.	Mysore	..	..	..	114	7.8	9	7.1	177
4.	Madras	..	..	..	34	2.3	6	4.8	395
5.	Bihar	..	..	..	29	2.0	5	4.0	386
6.	Orissa	..	..	..	53	3.6	4	3.2	169
7.	Madhya Pradesh	..	..	..	20	1.4	3	2.3	336
8.	Assam	..	..	..	4	0.3	1	0.8	560
9.	Uttar Pradesh	..	..	..	5	0.3	1	0.8	448
10.	Rajasthan	..	..	..	3	0.2	<0.5	—	—
11.	Kerala	..	..	..	<0.5	—	<0.5	—	—
	<b>India</b>	..	..	..	<b>1,462</b>	<b>100.0</b>	<b>126</b>	<b>100.0</b>	<b>193</b>
					<b>= 591.7</b>		<b>= 128.0</b>		<b>216</b>
					<i>'000 hectares</i>		<i>'000 metric tons</i>		<i>kilograms per hectare</i>

*Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

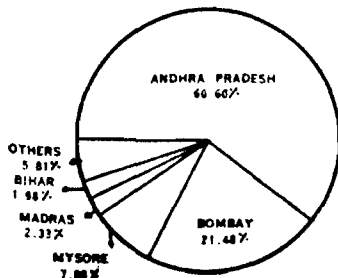


# CASTOR MAP OF INDIA

(1955-56 Final Estimates)



## AREA



## YIELD PER ACRE IN 100 POUNDS



## PRODUCTION

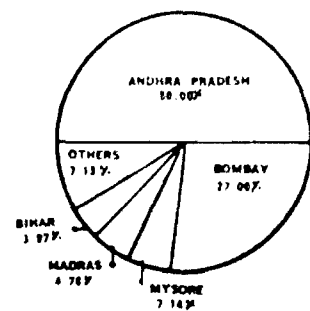


TABLE No. 36

## AREA (in thousand acres) UNDER CASTOR IN THE MAJOR GROWING STATES IN INDIA

Serial No.	State	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Andhra Pradesh .. .. .	957	1,024	880	860	902	886
2.	Bombay .. .. .	161	145	184	220	220	314
3.	Mysore .. .. .	122	133	124	126	119	114
4.	Orissa .. .. .	40	42	53	52	53	53
5.	Madras .. .. .	37	32	30	31	35	34
6.	Others .. .. .	55	61	55	57	65	61
	<b>India</b> ..	<b>1,372</b>	<b>1,437</b>	<b>1,326</b>	<b>1,346</b>	<b>1,394</b>	<b>1,462</b>
	'000 hectares ..	<b>555.2</b>	<b>581.5</b>	<b>536.6</b>	<b>544.7</b>	<b>564.1</b>	<b>591.7</b>

Source . Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

## PROGRESS IN THE AREA UNDER CASTOR IN INDIA

(Area under Castor Crop in the major growing States)

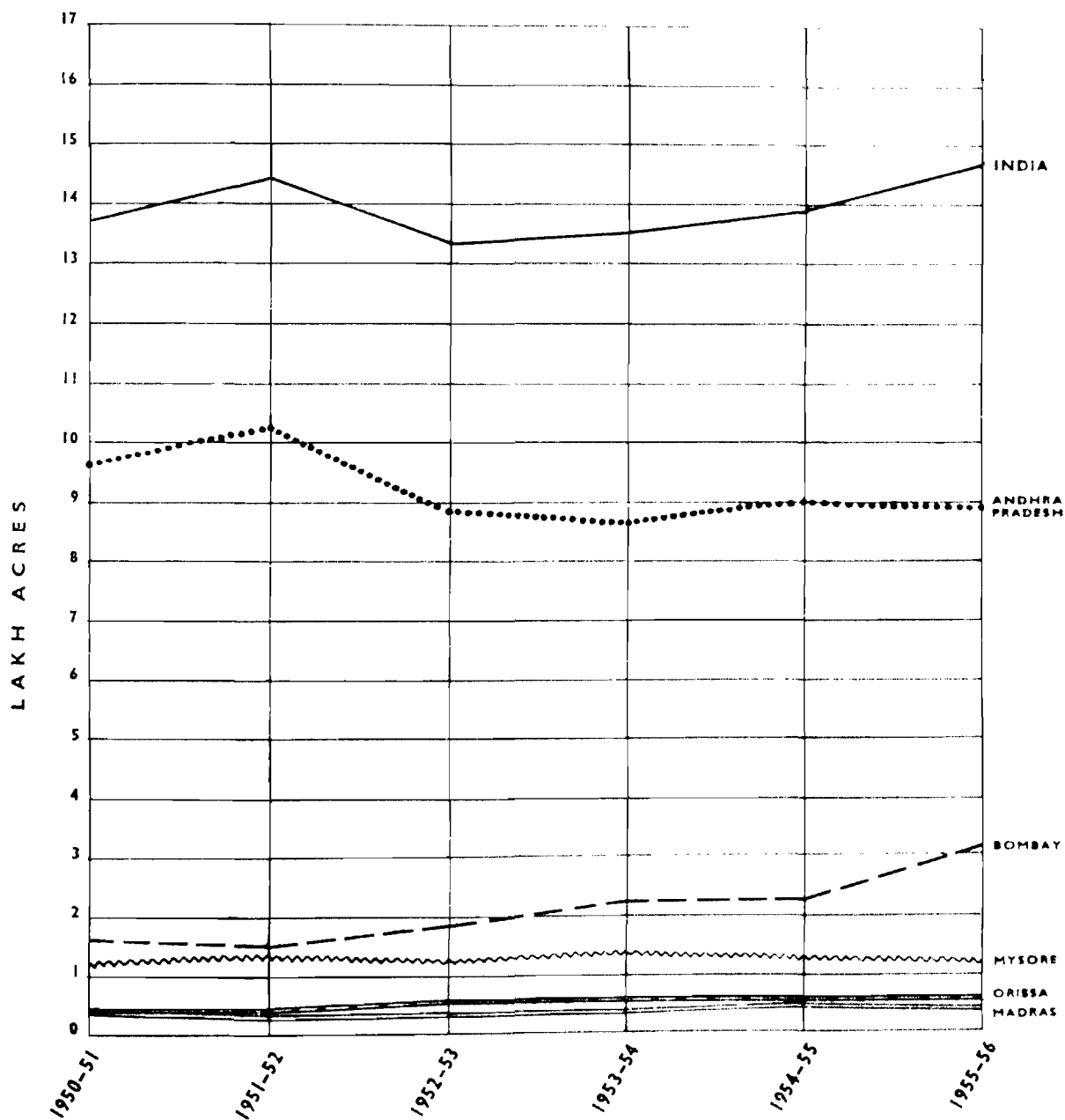


TABLE No. 37

**I. PRODUCTION (in thousand tons) OF CASTOR SEED IN THE MAJOR PRODUCING STATES IN INDIA**

Serial No.	State	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Andhra Pradesh .. .. .	60	69	58	52	65	63
2.	Bombay .. .. .	17	9	17	21	30	34
3.	Mysore .. .. .	8	9	8	11	9	9
4.	Madras .. .. .	6	5	4	5	6	6
5.	Orissa .. .. .	3	3	4	4	4	4
6.	Others .. .. .	7	11	11	10	10	10
<b>India</b>	<i>british</i> .. .. .	<b>101</b>	<b>106</b>	<b>102</b>	<b>103</b>	<b>124</b>	<b>126</b>
	<i>metric</i> .. .. .	<b>102.6</b>	<b>107.7</b>	<b>103.6</b>	<b>104.7</b>	<b>126.0</b>	<b>128.0</b>

**II. AVERAGE YIELD (in lbs.) OF CASTOR SEED PER ACRE IN THE MAJOR GROWING STATES IN INDIA**

Serial No.	State	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Andhra Pradesh .. .. .	140	151	148	136	162	159
2.	Bombay .. .. .	237	139	207	214	306	243
3.	Mysore .. .. .	147	152	145	196	169	177
4.	Madras .. .. .	363	350	299	361	384	395
5.	Orissa .. .. .	168	160	169	172	169	169
<b>India</b>	<i>lbs. per acre</i> .. .. .	<b>165</b>	<b>165</b>	<b>172</b>	<b>171</b>	<b>199</b>	<b>193</b>
	<i>kgs. per hectare</i> .. .. .	<b>185</b>	<b>185</b>	<b>193</b>	<b>192</b>	<b>223</b>	<b>216</b>

*Source : Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

## PROGRESS IN THE PRODUCTION OF CASTOR SEED IN INDIA

(Production of Castor Seed in the major producing States)

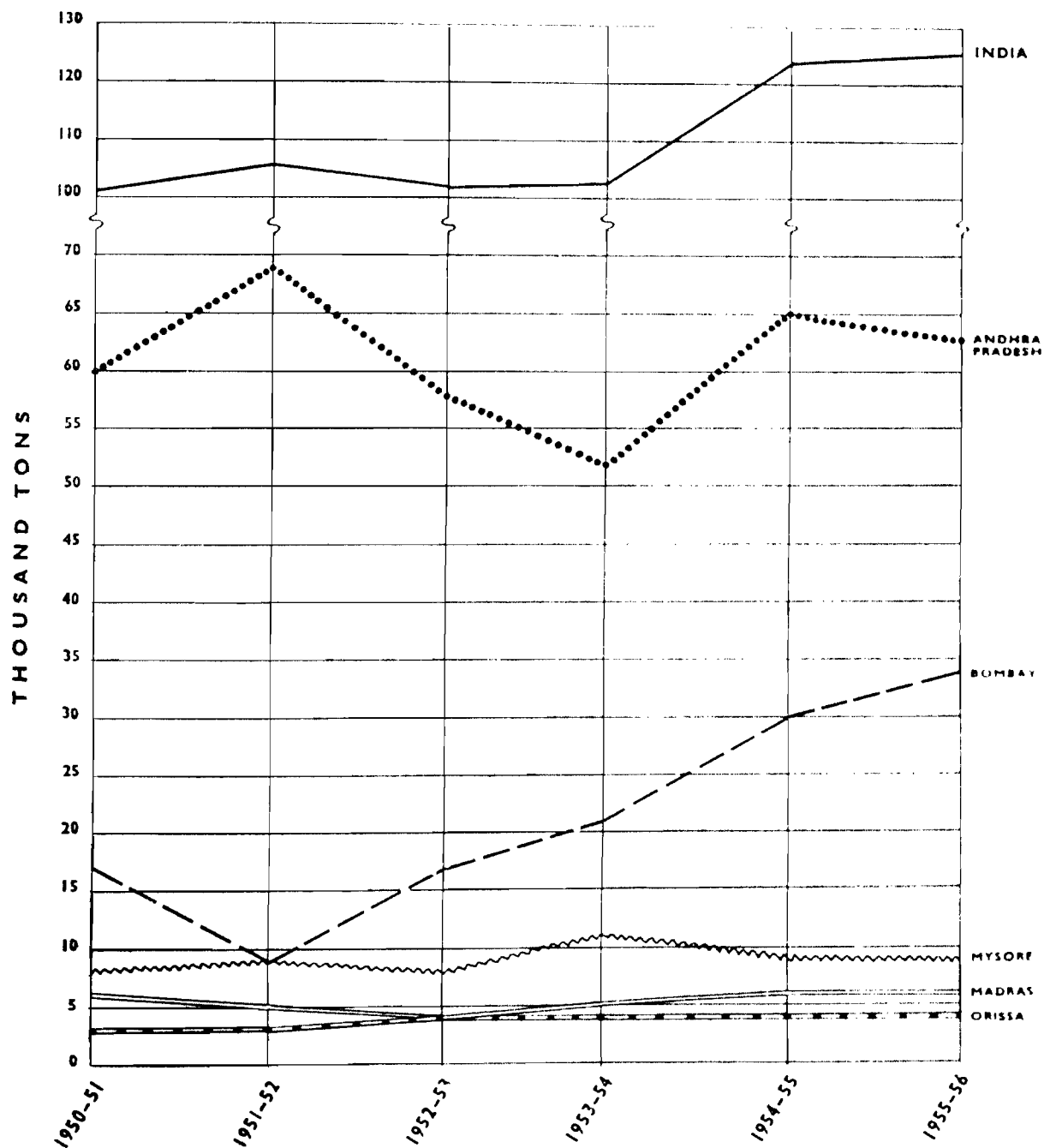


TABLE No. 38

**AVERAGE ANNUAL (November to October) WHOLESALE PRICES OF CASTOR SEED, OIL & CAKE  
AT IMPORTANT MARKETS IN INDIA**

(Rupees per Standard Maund of 82 2/7 lbs. or 37.32 Kilograms)									
Market/Commodity Variety	Average 1936-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
SEED									
Bombay—Bold/Small	.. 4.94	21.78	21.75	34.11	24.00	22.94	15.75	11.75	18.06
Madras—Salem	.. 4.22	22.81	20.33	33.20	24.56	19.69	15.44	12.30	—
OIL									
Bombay	.. 10.70	52.20	49.06	79.84	55.37	52.06	34.19	27.69	42.94
CAKE									
Bombay	.. —	5.59	6.58	7.56	7.06	5.87	6.50	3.94	5.31

*Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.*

# AVERAGE ANNUAL WHOLESALE PRICES OF CASTORSEED, OIL AND CAKE

## AT IMPORTANT MARKETS IN INDIA

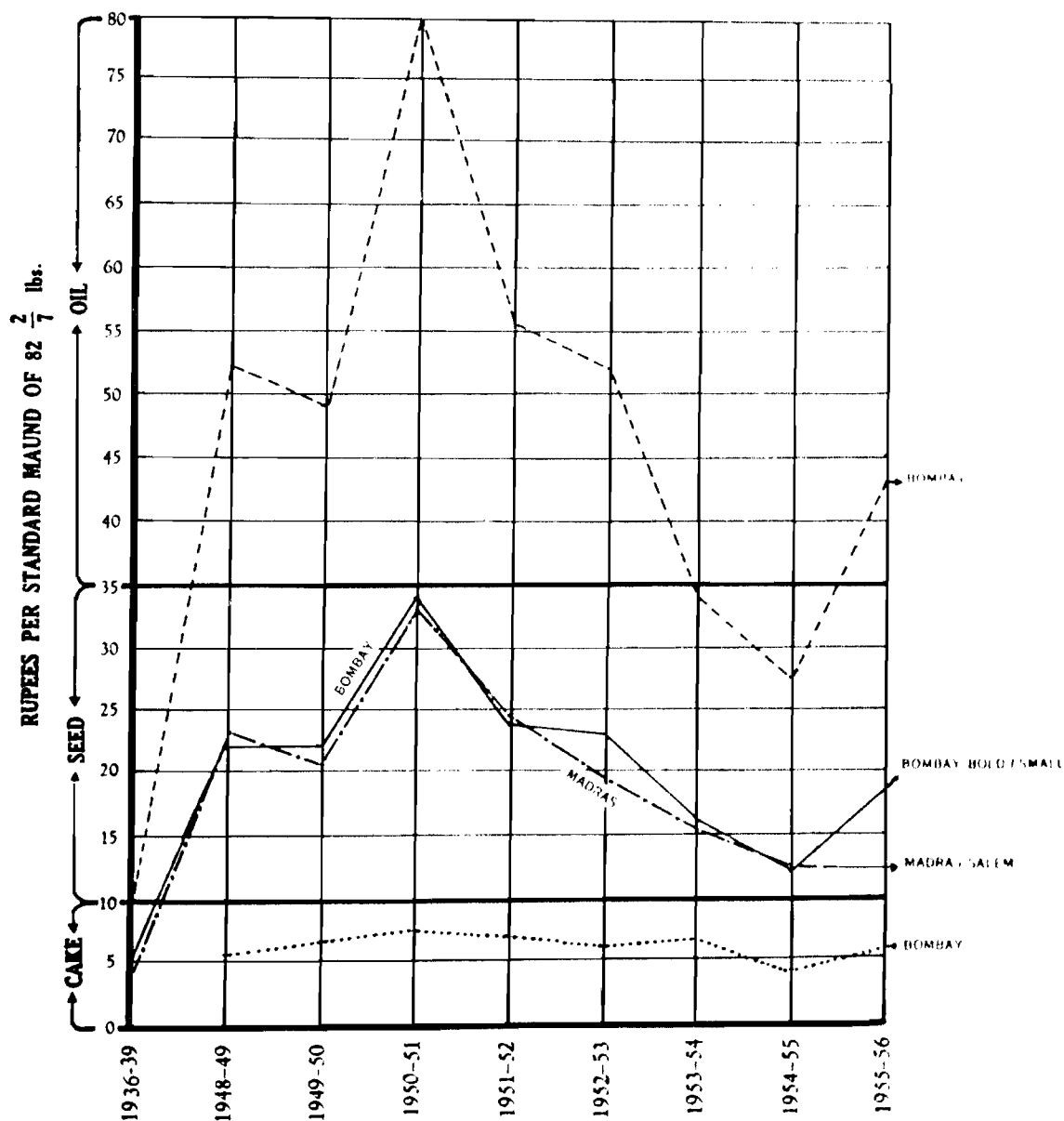


TABLE No. 39

## MAJOR OILSEEDS IN BOMBAY—1955-56

## I. Area, Production and Yield per acre of the Major Oilseed Crops

Serial No.	Crop	Area in acres	Percentage of total area	Production in tons	Percentage of total production	Yield in lbs. per acre
1.	Groundnut	44,46,643	72.6	10,02,037	86.8	505
2.	Sesamum	7,39,435	12.1	56,378	4.9	171
3.	Linseed	5,49,349	9.0	47,644	4.1	194
4.	Castor	3,14,431	5.1	33,796	2.9	241
5.	Rape-Mustard	71,453	1.2	14,376	1.3	451
<b>Total</b>		<b>61,21,311</b>	<b>100.0</b>	<b>11,54,231</b>	<b>100.0</b>	
		<b>2,477,208.9</b>		<b>1,172,756.4</b>		
		<i>hectares</i>		<i>metric tons</i>		

## II. Area and Production of the Major Oilseed Crops in the Districts

Serial No.	District	Area in acres	Percentage of total area	Production in tons	Percentage of total production
1.	Madhya Saurashtra	5,22,830	8.5	66,610	5.8
2.	Gohilwad	4,11,210	6.7	51,810	4.5
3.	Halar	4,09,160	6.7	42,540	3.7
4.	Osmanabad	3,48,908	5.7	67,773	5.9
5.	Sorath	3,43,490	5.6	48,660	4.2
6.	Bhir	2,56,196	4.2	79,397	6.9
7.	Aurangabad	2,46,494	4.0	65,780	5.7
8.	West Khandesh	2,39,680	3.9	59,044	5.1
9.	East Khandesh	2,38,140	3.9	79,751	6.9
10.	Sabarkantha	2,29,826	3.8	32,977	2.9
11.	Parbhani	1,81,694	3.0	44,213	3.8
12.	Sholapur	1,73,945	2.8	36,357	3.1
13.	Satara (South)	1,72,393	2.8	42,866	3.7
14.	Panchmahal	1,64,753	2.7	42,501	3.7
15.	Mehsana	1,41,000	2.3	27,435	2.4
16.	Chanda	1,40,920	2.3	11,470	1.0
17.	Nasik	1,37,155	2.2	37,805	3.3
18.	Kolhapur	1,31,978	2.2	40,484	3.5
19.	Akola	1,30,340	2.1	26,530	2.3
20.	Bhandara	1,30,210	2.1	10,260	0.9
21.	Yeotmal	1,25,730	2.1	16,360	1.4
22.	Satara (North)	1,25,025	2.0	35,750	3.1
23.	Amreli	1,23,068	2.0	13,052	1.1
24.	Nanded	1,13,584	1.9	20,059	1.7
25.	Others	8,83,582	14.5	1,54,747	13.4
<b>Total</b>		<b>61,21,311</b>	<b>100.0</b>	<b>11,54,231</b>	<b>100.0</b>
		<b>2,477,208.9</b>		<b>1,172,756.4</b>	
		<i>hectares</i>		<i>metric tons</i>	

Source: Directorate of Economics and Statistics, Ministry of Food and Agriculture, Government of India.



# AREA UNDER MAJOR OILSEED CROPS IN BOMBAY

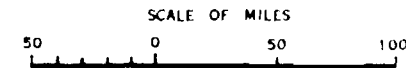
(1955-56 Final Estimates)

## INDEX

### AREA UNDER MAJOR OILSEED CROPS

EACH ● = 3,000,000 ACRES

- .. ■ = 1,000,000 ..
- .. ▲ = 50,000 ..
- .. ★ = 25,000 ..
- .. □ = 10,000 ..
- .. △ = 5,000 ..
- .. ⊕ = 1,000 ..

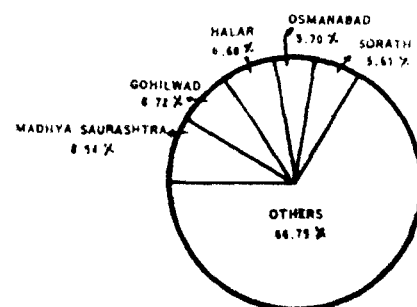


## YIELD PER ACRE IN POUNDS

EACH ■ = 100

GROUNDNUT	■■■■■	505
RAPE MUSTARD	■■■■■	451
CASTOR	■■■	241
LINSEED	■■	194
SESAMUM	■	171

## AREA



## PRODUCTION

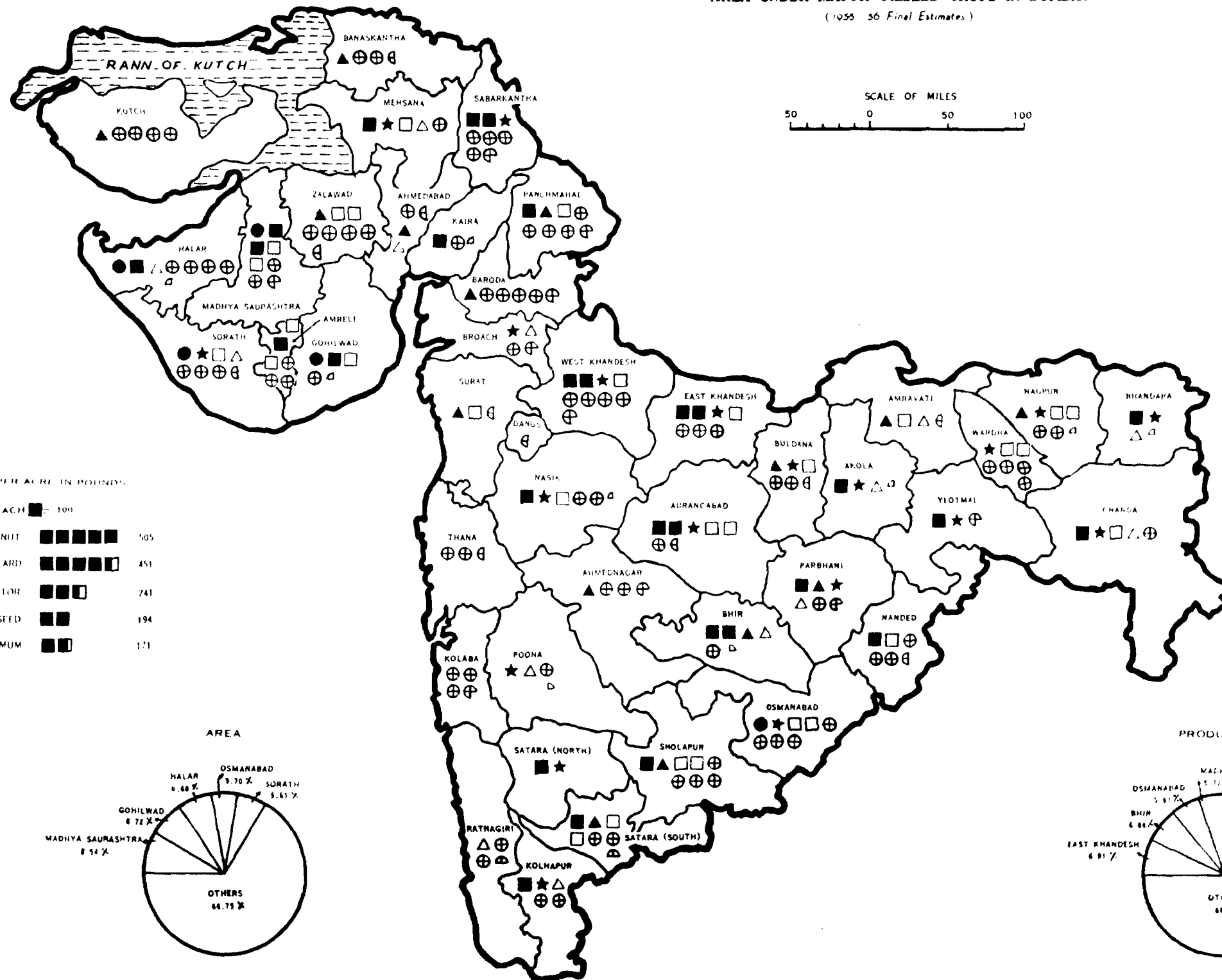
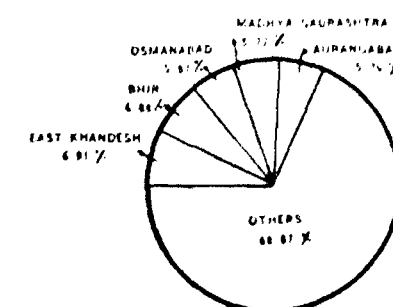


TABLE No. 40

## MAJOR OILSEEDS IN ANDHRA PRADESH—1955-56

## I. Area, Production and Yield per acre of the Major Oilseed Crops

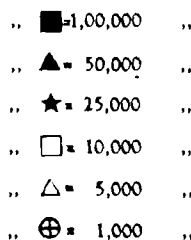
Serial No.	Crop		Area in acres	Percentage of total area	Production in tons	Percentage of total production	Yield in lbs. per acre
1.	Groundnut	.. ..	30,40,508	64.8	10,84,412	90.1	799
2.	Castor	.. ..	8,85,906	18.9	62,469	5.2	158
3.	Sesamum	.. ..	6,74,179	14.4	50,546	4.2	168
4.	Linseed	.. ..	88,967	1.9	5,819	0.5	147
5.	Rape-Mustard	.. ..	2,231	—	134	—	135
	<b>Total</b>	.. ..	<b>46,91,791</b>	<b>100.0</b>	<b>12,03,380</b>	<b>100.0</b>	
			<b>=1,898,702.1</b>		<b>=1,222,694.2</b>		
			<i>hectares</i>		<i>metric tons</i>		






## II. Area and Production of the Major Oilseed Crops in the Districts

Serial No.	District		Area in acres	Percentage of total area	Production in tons	Percentage of total production
1.	Anantapur	.. ..	6,47,900	13.8	2,32,000	19.3
2.	Kurnool	.. ..	6,07,260	12.9	2,30,288	19.1
3.	Mahbubnagar	.. ..	5,87,679	12.5	1,02,186	8.5
4.	Nalgonda	.. ..	4,83,489	10.3	62,202	5.2
5.	Karimnagar	.. ..	3,06,809	6.5	42,710	3.5
6.	Warangal	.. ..	2,32,467	5.0	38,111	3.2
7.	Cuddapah	.. ..	2,29,050	4.9	88,622	7.4
8.	Guntur	.. ..	1,88,480	4.0	76,110	6.3
9.	Chittoor	.. ..	1,74,280	3.7	67,210	5.6
10.	Adilabad	.. ..	1,61,818	3.5	11,384	0.9
11.	Visakhapatnam	.. ..	1,52,100	3.3	46,000	3.8
12.	Hyderabad	.. ..	1,51,967	3.2	13,757	1.1
13.	Krishna	.. ..	1,43,690	3.1	62,611	5.2
14.	Khammam	.. ..	1,27,896	2.7	34,675	2.9
15.	Medak	.. ..	1,27,433	2.7	9,137	0.8
16.	Srikakulam	.. ..	1,11,410	2.4	44,615	3.7
17.	East Godavari	.. ..	77,100	1.7	11,600	1.0
18.	Nellore	.. ..	66,410	1.4	12,013	1.0
19.	West Godavari	.. ..	65,930	1.4	12,418	1.0
20.	Nizamabad	.. ..	48,623	1.0	5,731	0.5
	<b>Total</b>	.. ..	<b>46,91,791</b>	<b>100.0</b>	<b>12,03,380</b>	<b>100.0</b>
			<b>=1,898,702.1</b>		<b>=1,222,694.2</b>	
			<i>hectares</i>		<i>metric tons</i>	

Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

(1955 - 56 Final Estimates)



GROUNDNUT		799
SESAMUM		168
CASTOR		158
LINSEED		147
RAPE-MUSTARD		135

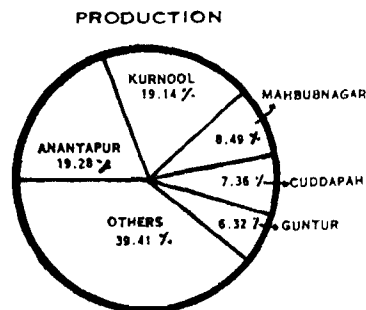


TABLE No. 41

## MAJOR OILSEEDS IN MADHYA PRADESH—1955-56

## I. Area, Production and Yield per acre of the Major Oilseed Crops

Serial No.	Crop	Area in acres	Percentage of total area	Production in tons	Percentage of total production	Yield in lbs. per acre
1.	Linseed .. .. .	12,93,128	37.9	1,23,555	27.5	214
2.	Sesamum .. .. .	11,06,483	32.5	98,493	21.9	199
3.	Groundnut .. .. .	6,53,809	19.2	1,67,943	37.3	575
4.	Rape-Mustard .. .. .	3,33,562	9.8	56,582	12.6	380
5.	Castor .. .. .	20,134	0.6	3,099	0.7	345
	<b>Total</b> .. .. .	<b>34,07,116</b>	<b>100.0</b>	<b>4,49,672</b>	<b>100.0</b>	
		<b>1,378,812.1</b>		<b>456,889.2</b>		
		<i>hectares</i>		<i>metric tons</i>		

## II. Area and Production of the Major Oilseed Crops in the Districts

Serial No.	District	Area in acres	Percentage of total area	Production in tons	Percentage of total production
1.	Drug .. .. .	2,57,130	7.6	21,140	4.7
2.	Raipur .. .. .	2,20,900	6.5	20,630	4.6
3.	Shahdol .. .. .	1,49,300	4.4	12,200	2.7
4.	Nimar (2) .. .. .	1,37,089	4.0	26,666	5.9
5.	Mandsaur .. .. .	1,36,083	4.0	35,460	7.9
6.	Bilaspur .. .. .	1,30,750	3.8	12,960	2.9
7.	Dhar .. .. .	1,20,930	3.6	29,548	6.6
8.	Hoshangabad .. .. .	1,12,670	3.3	9,020	2.0
9.	Saugor .. .. .	1,10,100	3.2	10,100	2.3
10.	Rewa .. .. .	1,10,042	3.2	10,906	2.4
11.	Shivpuri .. .. .	1,07,398	3.2	15,838	3.5
12.	Sidhi .. .. .	1,06,107	3.1	7,601	1.7
13.	Chhatarpur .. .. .	1,01,935	3.0	10,703	2.4
14.	Chhindwara .. .. .	99,070	2.9	12,480	2.8
15.	Balaghat .. .. .	94,740	2.8	7,830	1.7
16.	Morena .. .. .	92,856	2.7	14,060	3.1
17.	Guna .. .. .	88,968	2.6	14,839	3.3
18.	Satna .. .. .	88,408	2.6	11,808	2.6
19.	Nirmar (1) .. .. .	87,310	2.6	16,200	3.6
20.	Panna .. .. .	72,716	2.1	8,302	1.9
21.	Surguja .. .. .	69,700	2.0	10,400	2.3
22.	Bastar .. .. .	68,130	2.0	10,060	2.2
23.	Jhabua .. .. .	67,483	2.0	12,956	2.9
24.	Jabalpur .. .. .	67,200	2.0	5,900	1.3
25.	Others .. .. .	7,10,101	20.8	1,02,065	22.7
	<b>Total</b> .. .. .	<b>34,07,116</b>	<b>100.0</b>	<b>4,49,672</b>	<b>100.0</b>
		<b>1,378,812.1</b>		<b>456,889.2</b>	
		<i>hectares</i>		<i>metric tons</i>	

Source: Directorate of Economics &amp; Statistics, Ministry of Food and Agriculture, Government of India.

( 1955 - 56 Final Estimates )

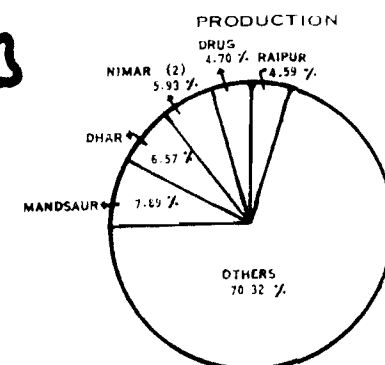


TABLE No. 42  
MAJOR OILSEEDS IN MYSORE—1955-56

I. Area, Production and Yield per acre of the Major Oilseed Crops

Serial No.	Crop	Area in acres	Percentage of total area	Production in tons	Percentage of total production	Yield in lbs. per acre
1.	Groundnut .. .. .	20,50,520	81.7	4,97,233	93.4	543
2.	Sesamum .. .. .	2,19,573	8.7	17,317	3.3	177
3.	Linseed .. .. .	1,15,631	4.6	7,821	1.5	152
4.	Castor .. .. .	1,13,590	4.5	8,815	1.6	174
5.	Rape-Mustard .. .. .	11,648	0.5	1,255	0.2	241
<b>Total</b> .. .. .		<b>25,10,962</b>	<b>100.0</b>	<b>5,32,441</b>	<b>100.0</b>	
		<b>= 1,016,151.2</b>		<b>= 540,986.7</b>		
		<i>hectares</i>		<i>metric tons</i>		

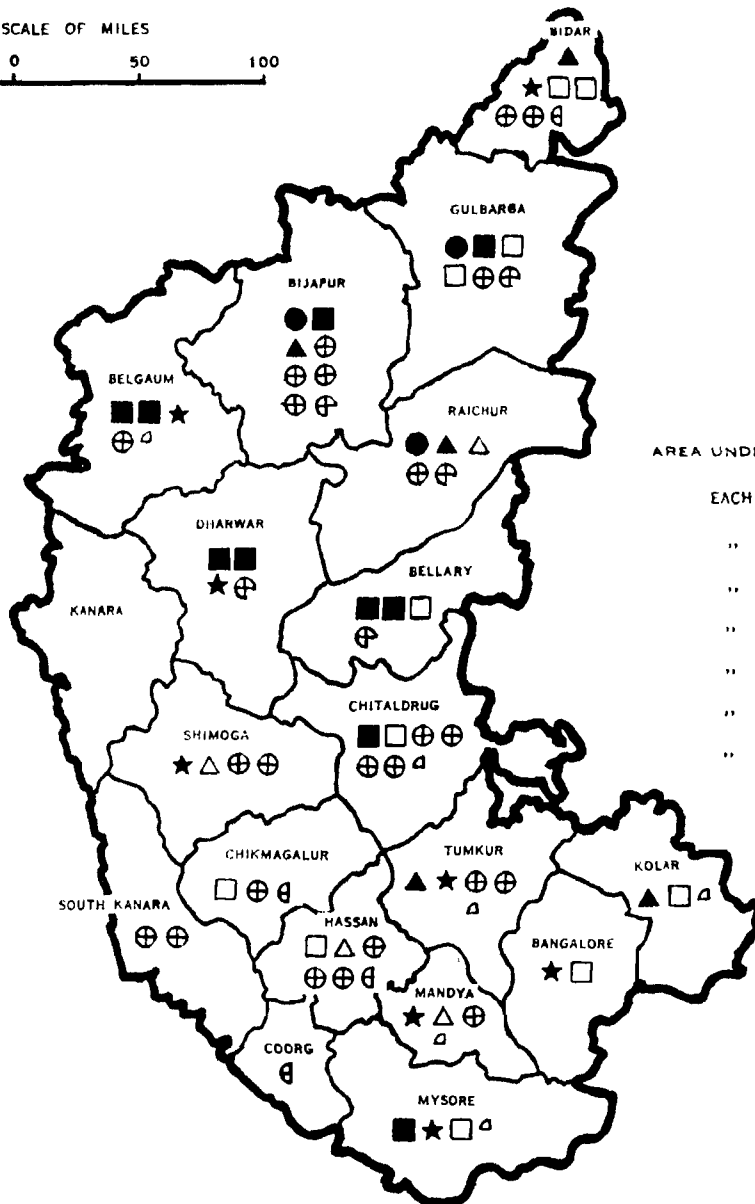
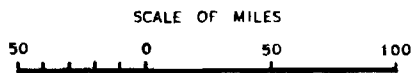
II. Area and Production of the Major Oilseed Crops in the Districts

Serial No.	District	Area in acres	Percentage of total area	Production in tons	Percentage of total production
1.	Bijapur .. .. .	4,54,804	18.1	69,930	13.1
2.	Gulbarga .. .. .	4,21,756	16.8	67,967	12.8
3.	Raichur .. .. .	3,56,769	14.2	94,965	17.8
4.	Belgaum .. .. .	2,26,217	9.0	49,502	9.3
5.	Dharwar .. .. .	2,25,802	9.0	64,556	12.1
6.	Bellary .. .. .	2,10,660	8.4	82,927	15.6
7.	Mysore .. .. .	1,35,187	5.4	30,308	5.7
8.	Chitaldrug .. .. .	1,14,269	4.6	16,591	3.1
9.	Bidar .. .. .	97,487	3.9	9,260	1.7
10.	Tumkur .. .. .	77,231	3.1	4,405	0.8
11.	Kolar .. .. .	60,240	2.4	14,570	2.8
12.	Bangalore .. .. .	34,970	1.4	10,839	2.0
13.	Shimoga .. .. .	31,909	1.3	4,382	0.8
14.	Mandya .. .. .	31,203	1.2	8,466	1.6
15.	Hassan .. .. .	18,531	0.7	2,721	0.5
16.	Chikmagalur .. .. .	11,489	0.4	747	0.2
17.	South Kanara .. .. .	1,945	0.1	243	0.1
18.	Coorg .. .. .	420	—	56	—
19.	Kanara .. .. .	73	—	6	—
<b>Total</b> .. .. .		<b>25,10,962</b>	<b>100.0</b>	<b>5,32,441</b>	<b>100.0</b>
		<b>= 1,016,151.2</b>		<b>= 540,986.7</b>	
		<i>hectares</i>		<i>metric tons</i>	

Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

# AREA UNDER MAJOR OILSEED CROPS IN MYSORE

(1955-56 Final Estimates)

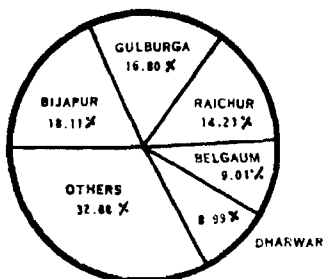


## INDEX

### AREA UNDER MAJOR OILSEED CROPS

- EACH ● = 3,00,000 ACRES  
 " ■ = 1,00,000 "  
 " ▲ = 50,000 "  
 " ★ = 25,000 "  
 " □ = 10,000 "  
 " △ = 5,000 "  
 " ⊕ = 1,000 "

## AREA



## YIELD PER ACRE IN POUNDS

EACH ■ = 100 LB.

GROUNDNUT	■■■■■	543
RAPE-MUSTARD	■■■	241
SESAMUM	■■■	177
CASTOR	■■■	174
LINSEED	■■■	152

## PRODUCTION

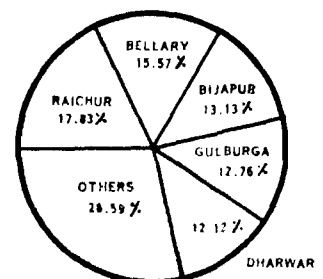


TABLE No. 43

## MAJOR OILSEEDS IN MADRAS — 1955-56

## I. Area, Production and Yield per acre of the Major Oilseed Crops

Serial No.	Crop	Area in acres	Percentage of total area	Production in tons	Percentage of total production	Yield in lbs. per acre
1.	Groundnut	17,72,195	81.2	8,19,262	94.0	1,036
2.	Sesamum	3,74,027	17.2	46,655	5.4	279
3.	Castor	33,495	1.5	5,563	0.6	372
4.	Rape-Mustard	1,775	0.1	188	—	237
5.	Linseed	40	—	10	—	560
	<b>Total</b>	<b>21,81,532</b>	<b>100.0</b>	<b>8,71,678</b>	<b>100.0</b>	
		<b>=882,835.5</b> <i>hectares</i>		<b>=885,668.4</b> <i>metric tons</i>		

## II. Area and Production of the Major Oilseed Crops in the Districts

Serial No.	District	Area in acres	Percentage of total area	Production in tons	Percentage of total production
1.	South Arcot	4,30,670	19.7	1,86,810	21.4
2.	North Arcot	4,11,300	18.9	1,69,810	19.5
3.	Salem	3,41,440	15.7	1,35,860	15.6
4.	Coimbatore	3,22,755	14.8	1,28,935	14.8
5.	Tiruchirappalli	2,93,120	13.4	1,10,400	12.7
6.	Madurai	1,55,510	7.1	63,200	7.2
7.	Tanjore	60,700	2.8	26,000	3.0
8.	Ramanathapuram	58,800	2.7	18,500	2.1
9.	Chingleput	57,000	2.6	21,700	2.5
10.	Tirunelveli	49,223	2.3	9,400	1.1
11.	Kanyakumari	934	—	1,053	0.1
12.	Nilgiris	80	—	10	—
	<b>Total</b>	<b>21,81,532</b>	<b>100.0</b>	<b>8,71,678</b>	<b>100.0</b>
		<b>=882,835.5</b> <i>hectares</i>		<b>=885,668.4</b> <i>metric tons</i>	

Source: Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.



# AREA UNDER MAJOR OILSEED CROPS IN MADRAS

(1955 - 56 Final Estimates)

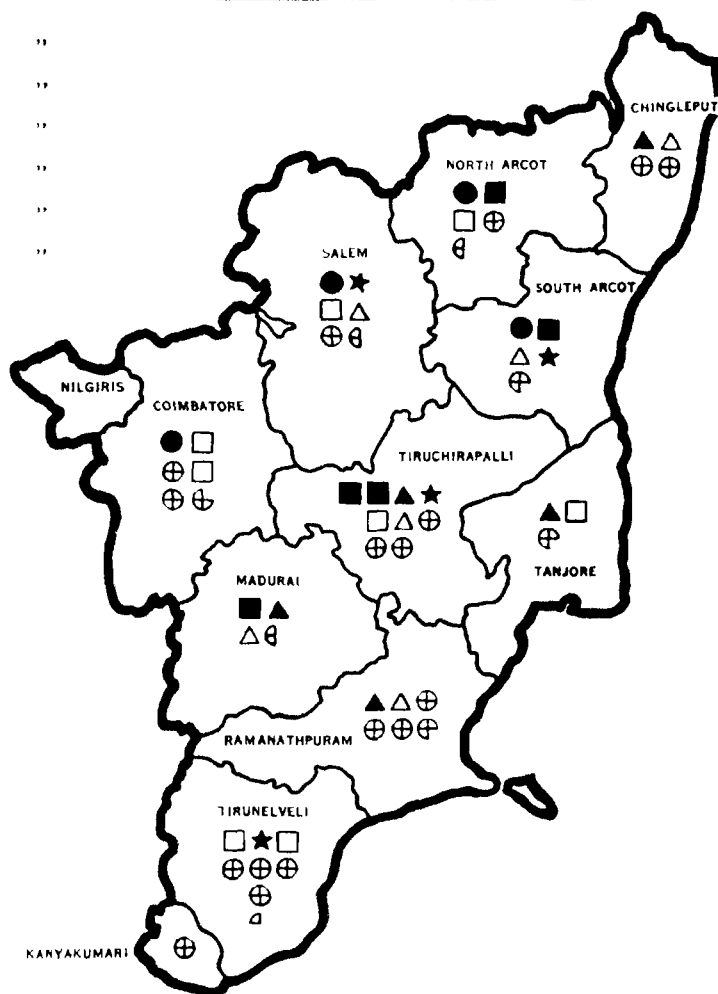
## INDEX

### AREA UNDER MAJOR OILSEED CROPS

EACH ● = 3,00,000 ACRES

- „ ■ = 1,00,000 „
- „ ▲ = 50,000 „
- „ ★ = 25,000 „
- „ □ = 10,000 „
- „ △ = 5,000 „
- „ ⊕ = 1,000 „

## SCALE OF MILES

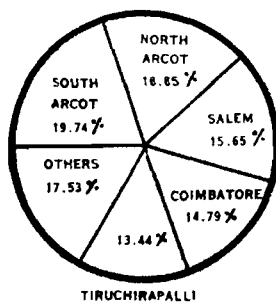


## YIELD PER ACRE IN POUNDS.

EACH ■ = 100 LB.

GROUNDNUT	■■■■■■■■■■	1036
LINSEED	■■■■■■■■■	560
CASTOR	■■■■■■■	372
SESAMUM	■■■■■	279
RAPE-MUSTARD	■■■■	237

## AREA



## PRODUCTION

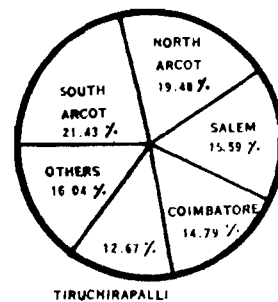


TABLE No. 44

## MAJOR OILSEEDS IN RAJASTHAN—1955-56

## I. Area, Production and Yield per acre of the Major Oilseed Crops

Serial No.	Crop	Area in acres	Percentage of total area	Production in tons	Percentage of total production	Yield in lbs. per acre
1.	Sesamum .. .. .	9,82,259	52.1	78,240	32.9	178
2.	Rape-Mustard .. .. .	6,26,065	33.2	98,482	41.4	352
3.	Linseed .. .. .	1,66,945	8.9	25,079	10.6	336
4.	Groundnut .. .. .	1,05,042	5.6	35,455	14.9	756
5.	Castor .. .. .	3,323	0.2	471	0.2	317
	<b>Total .. .. .</b>	<b>18,83,634</b>	<b>100.0</b>	<b>2,37,727</b>	<b>100.0</b>	
		<b>=762,280.3</b> <i>hectares</i>		<b>=241,542.5</b> <i>metric tons</i>		

## II. Area and Production of the Major Oilseed Crops in the Districts

Serial No.	District	Area in acres	Percentage of total area	Production in tons	Percentage of total production
1.	Bharatpur .. .. .	2,68,746	14.3	49,004	20.6
2.	Alwar .. .. .	2,21,043	11.7	23,535	9.9
3.	Pali .. .. .	1,65,150	8.8	19,148	8.1
4.	Kotah .. .. .	1,32,735	7.0	22,716	9.6
5.	Ganganagar .. .. .	1,23,677	6.6	25,410	10.7
6.	Nagour .. .. .	1,17,899	6.3	4,159	1.7
7.	Jaipur .. .. .	94,573	5.0	7,980	3.4
8.	Sawai Madhopur .. .. .	82,343	4.4	21,020	8.8
9.	Chittorgarh .. .. .	77,609	4.1	10,429	4.4
10.	Jodhpur .. .. .	76,190	4.0	8,176	3.4
11.	Jalore .. .. .	73,230	3.8	2,690	1.1
12.	Bundi .. .. .	61,872	3.3	5,850	2.5
13.	Tonk .. .. .	61,818	3.3	5,788	2.4
14.	Jhalawar .. .. .	56,299	3.0	6,238	2.6
15.	Banswara .. .. .	49,137	2.6	5,346	2.2
16.	Udaipur .. .. .	39,021	2.1	6,173	2.6
17.	Bhilwara .. .. .	37,977	2.0	1,975	0.8
18.	Sirohi .. .. .	36,611	1.9	3,637	1.5
19.	Ajmer .. .. .	28,127	1.5	1,658	0.7
20.	Barmer .. .. .	25,296	1.3	603	0.3
21.	Dungarpur .. .. .	24,503	1.3	4,687	2.0
22.	Bikaner .. .. .	14,139	0.8	686	0.3
23.	Sikar .. .. .	5,143	0.3	258	0.1
24.	Jhunjhunu .. .. .	5,054	0.3	380	0.2
25.	Churu .. .. .	4,763	0.3	48	—
26.	Jaisalmer .. .. .	679	—	133	0.1
	<b>Total .. .. .</b>	<b>18,83,634</b>	<b>100.0</b>	<b>2,37,727</b>	<b>100.0</b>
		<b>=762,280.3</b> <i>hectares</i>		<b>=241,542.5</b> <i>metric tons</i>	

Source : Directorate of Economics and Statistics, Ministry of Food and Agriculture, Government of India.

# AREA UNDER MAJOR OILSEED CROPS IN RAJASTHAN

(1955-56 Final Estimates)

## INDEX

### AREA UNDER MAJOR OILSEED CROPS

EACH ● = 3,00,000 ACRES

■ = 1,00,000 "

▲ = 50,000 "

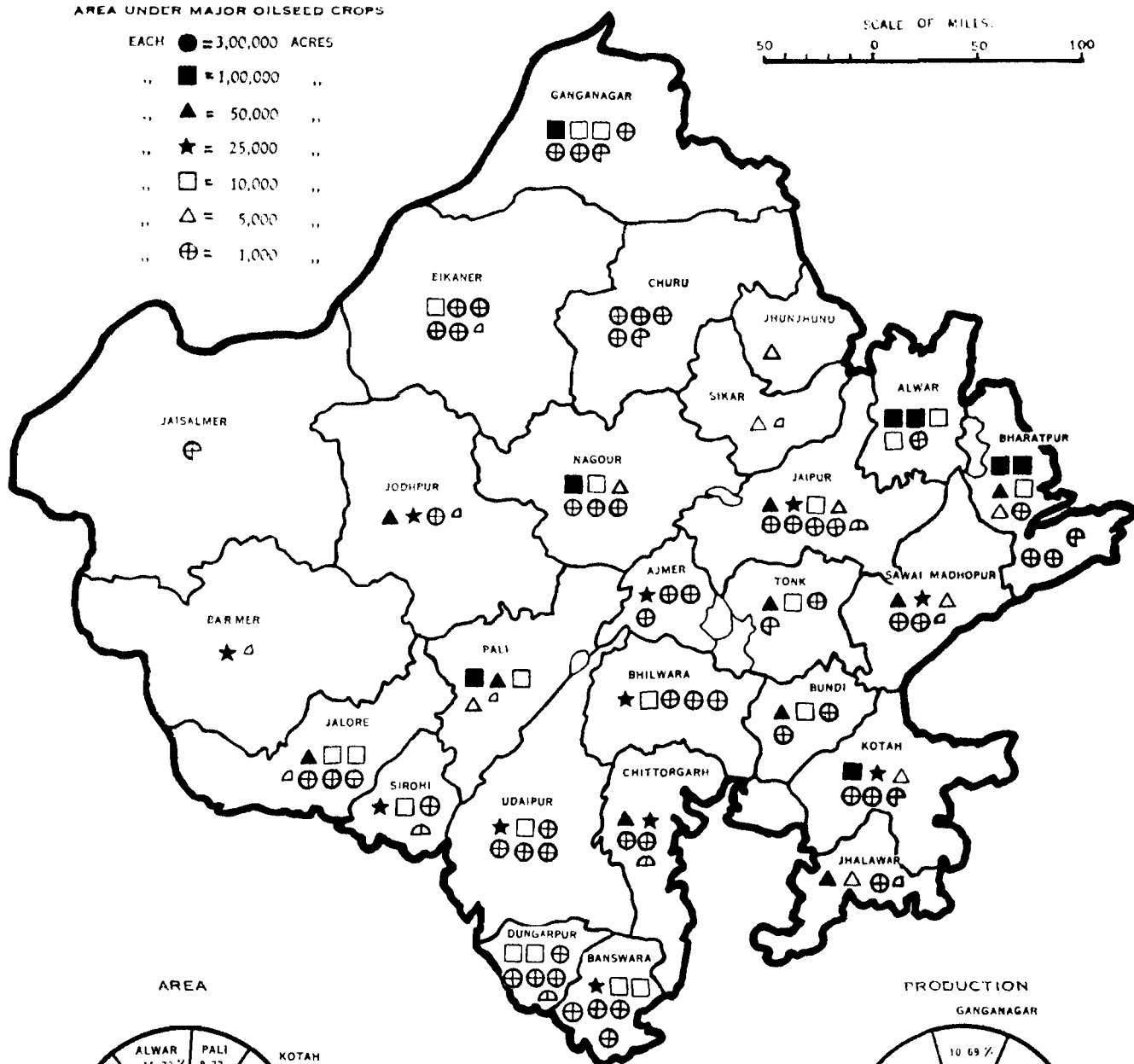
★ = 25,000 "

□ = 10,000 "

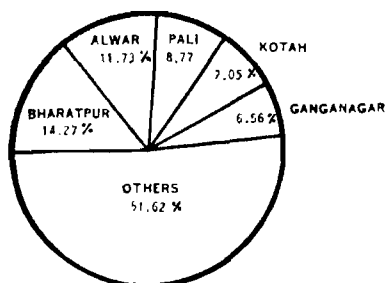
△ = 5,000 "

⊕ = 1,000 "

SCALE OF MILES.  
50 0 50 100



## AREA



YIELD PER ACRE IN POUNDS.  
EACH ■ = 100 LB.

GROUNDNUT	■■■■■	756
RAPE-MUSTARD	■■■■■	352
LINSEED	■■■■■	336
CASTOR	■■■■■	317
SESAMUM	■■■	178

## PRODUCTION

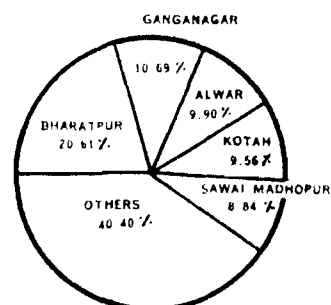


TABLE No. 45

## MAJOR OILSEEDS IN PUNJAB—1955-56

## I. Area, Production and Yield per acre of the Major Oilseed Crops

Serial No.	Crop	Area in acres	Percentage of total area	Production in tons	Percentage of total production	Yield in lbs. per acre
1.	Rape-Mustard .. .. .	6,69,000	74.7	1,06,000	71.1	355
2.	Groundnut .. .. .	1,33,505	14.9	37,340	25.1	627
3.	Sesamum .. .. .	65,164	7.3	3,518	2.4	121
4.	Linseed .. .. .	28,291	3.1	2,154	1.4	171
	<b>Total</b> .. .. .	<b>8,95,960</b> <b>=362,582.5</b> <i>hectares</i>	<b>100.0</b>	<b>1,49,012</b> <b>=151,403.6</b> <i>metric tons</i>	<b>100.0</b>	

## II. Area and Production of the Major Oilseed Crops in the Districts

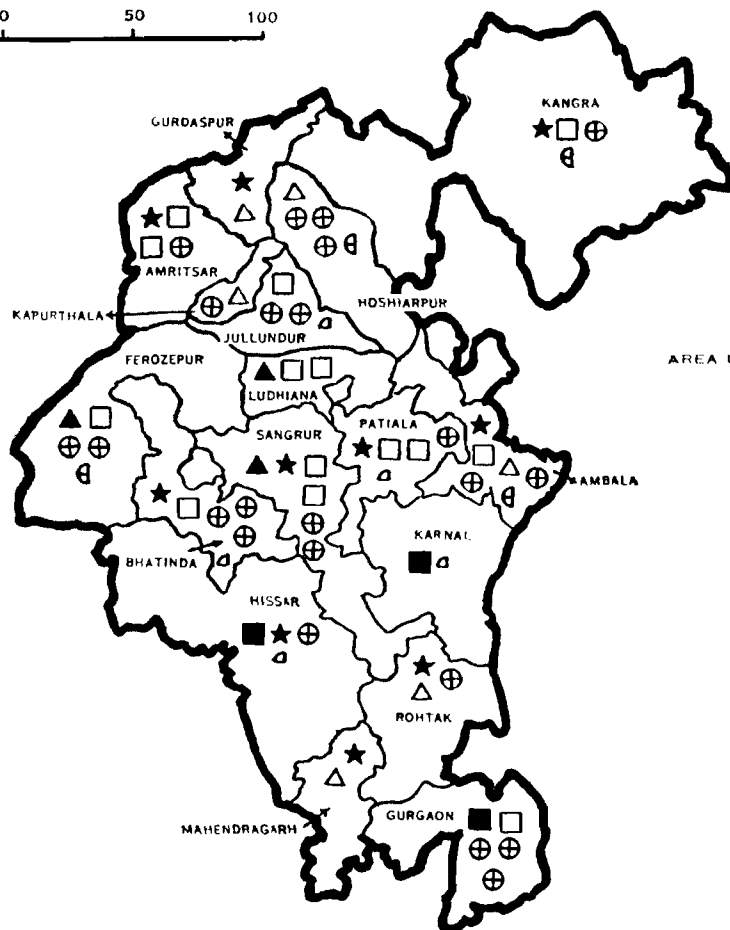
Serial No.	District	Area in acres	Percentage of total area	Production in tons	Percentage of total production
1.	Hissar .. .. .	1,26,300	14.1	18,110	12.2
2.	Gurgaon .. .. .	1,13,000	12.6	17,000	11.4
3.	Karnal .. .. .	1,00,200	11.2	15,220	10.2
4.	Sangrur .. .. .	97,046	10.8	20,200	13.6
5.	Ludhiana .. .. .	70,100	7.8	24,000	16.1
6.	Ferozepur .. .. .	62,500	7.0	10,055	6.7
7.	Patiala .. .. .	46,232	5.2	8,287	5.6
8.	Amritsar .. .. .	45,900	5.1	7,990	5.4
9.	Ambala .. .. .	42,500	4.7	6,185	4.1
10.	Bhatinda .. .. .	38,322	4.3	6,019	4.0
11.	Kangra .. .. .	36,400	4.1	2,850	1.9
12.	Rohtak .. .. .	31,000	3.5	5,000	3.3
13.	Mahendragarh .. .. .	30,028	3.4	3,002	2.0
14.	Gurdaspur .. .. .	29,900	3.3	1,440	1.0
15.	Jullundur .. .. .	12,200	1.4	2,835	1.9
16.	Hoshiarpur .. .. .	8,400	0.9	565	0.4
17.	Kapurthala .. .. .	5,932	0.6	254	0.2
	<b>Total</b> .. .. .	<b>8,95,960</b> <b>=362,582.5</b> <i>hectares</i>	<b>100.0</b>	<b>1,49,012</b> <b>=151,403.6</b> <i>metric tons</i>	<b>100.0</b>

Source : Directorate of Economics & Statistics, Ministry of Food and Agriculture, Government of India.

# AREA UNDER MAJOR OILSEED CROPS IN PUNJAB

(1955 - 56 Final Estimates)

SCALE OF MILES  
50 0 50 100



## INDEX

### AREA UNDER MAJOR OILSEED CROPS

EACH ● = 3,00,000 ACRES

„ ■ = 1,00,000 „

„ ▲ = 50,000 „

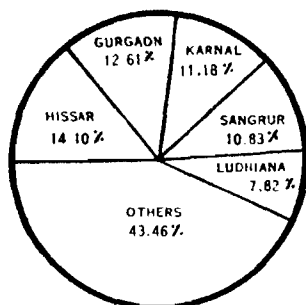
„ ★ = 25,000 „

„ □ = 10,000 „

„ △ = 5,000 „

„ ⊕ = 1,000 „

## AREA



## YIELD PER ACRE IN POUNDS.

EACH ■ = 100 LB

GROUNDNUT ■■■■■ 621

RAPE-MUSTARD ■■■■ 355

LINSEED ■■ 171

SESAMUM ■■ 121

CASTOR — —

## PRODUCTION

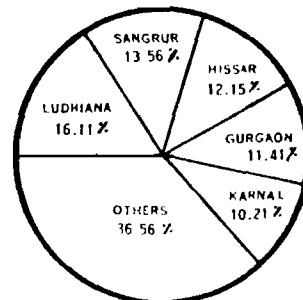


TABLE No. 46

## EXPORTS (in tons) OF THE FIVE MAJOR OILSEEDS EXPORTED FROM INDIA BY SEA AND AIR

(Figures within brackets : percentages of the total)

Serial No.	Oilseeds	1938-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Groundnut Seed	.. 8,35,103 (70.59)	38,272 (60.30)	1,26,016 (62.07)	38,345 (20.66)	19,744 (63.90)	12,736 (65.28)	5,326 (97.40)	23,077 (99.54)	26,711 (89.10)
2.	Castorseed	.. 7,621 (0.64)	—	5,245 (2.58)	78,555 (42.32)	1,171 (3.79)	4,311 (22.10)	—	—	—
3.	Linseed	.. 3,18,344 (26.91)	25,024 (39.43)	71,666 (35.30)	67,599 (36.42)	7,284 (23.58)	68 (0.35)	—	—	1 (—)
4.	Rape-mustard seed	.. 14,247 (1.21)	137 (0.22)	1 (0.01)	185 (0.10)	429 (1.39)	47 (0.24)	139 (2.54)	107 (0.46)	240 (0.80)
5.	Sesamum seed	.. 7,650 (0.65)	33 (0.05)	85 (0.04)	926 (0.50)	2,268 (7.34)	2,348 (12.03)	3 (0.06)	—	3,027 (10.10)
Total		.. 11,82,965	63,466	2,03,013	1,85,610	30,896	19,510	5,468	23,184	29,979
Total		.. 1,201,951.6	64,484.6	206,271.4	188,589.0	31,391.9	19,823.1	5,555.8	23,556.1	30,460.2

Source: Department of Commercial Intelligence and Statistics, Government of India.

# PATTERN OF EXPORTS OF THE FIVE MAJOR OILSEEDS FROM INDIA

(FIGURES ON THE TOP OF EACH CIRCLE REPRESENT TONS OF THE FIVE MAJOR OIL SEEDS EXPORTED IN THE YEAR)

11,82,965 Tons

(EXPORTS BY SEA AND AIR)

## INDEX

GROUNDNUT

CASTOR

LINSEED

RAPE-MUSTARD

SESAMUM

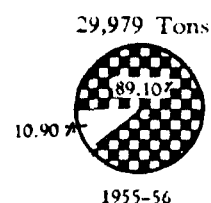
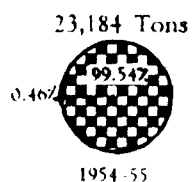
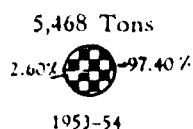
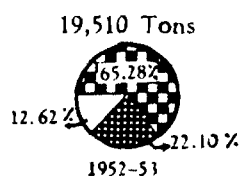
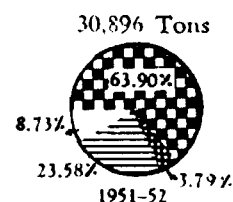
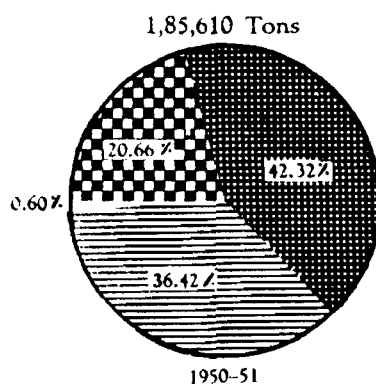
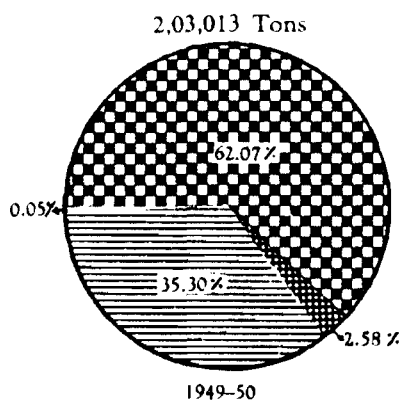
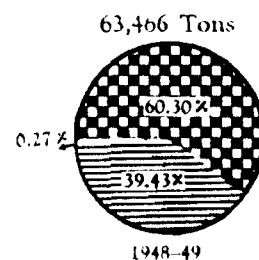
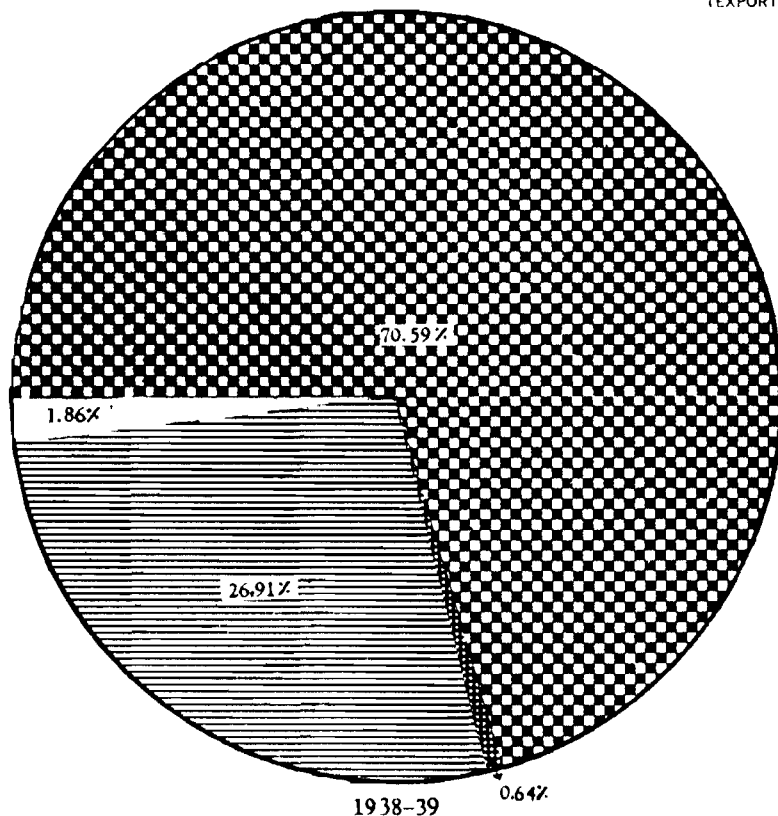


TABLE No. 47

## EXPORTS (in tons) OF THE FIVE MAJOR OILS EXPORTED FROM INDIA BY SEA AND AIR

(Figures within brackets : percentages of the total)

Serial No.	Oils	1938-39	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
1.	Groundnut	.. 15,999 (65.33)	36,581 (61.38)	28,587 (70.31)	83,149 (73.48)	21,227 (30.36)	68,252 (50.80)	1,503 (6.09)	1,00,465 (70.29)	1,24,841 (49.98)
2.	Castor	.. 4,734 (19.33)	12,588 (21.12)	4,711 (11.59)	24,229 (21.41)	23,478 (33.58)	37,354 (27.80)	19,171 (77.84)	32,171 (22.51)	38,936 (15.59)
3.	Linseed	.. 1,091 (4.46)	9,459 (15.87)	7,313 (17.99)	5,657 (5.00)	25,057 (35.84)	28,301 (21.07)	3,629 (14.73)	9,826 (6.87)	80,967 (32.41)
4.	Rape-mustard	.. 1,659 (6.77)	973 (1.63)	45 (0.11)	118 (0.11)	147 (0.22)	443 (0.33)	329 (1.34)	473 (0.33)	828 (0.33)
5.	Sesamum	.. 1,006 (4.11)	—	2 (—)	—	—	—	—	—	4,229 (1.69)
Total		.. 24,489	59,601	40,658	1,13,153	69,909	1,34,350	24,629	1,42,935	2,49,801
Total		.. 24,882.0	60,557.6	41,310.6	114,969.1	71,031.0	136,506.3	25,024.3	145,229.1	253,810.3

Source:—Department of Commercial Intelligence and Statistics, Government of India.

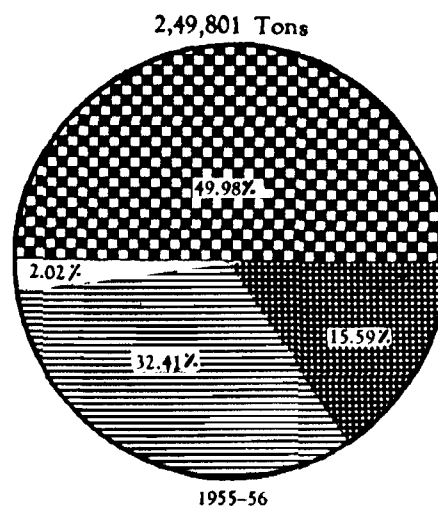
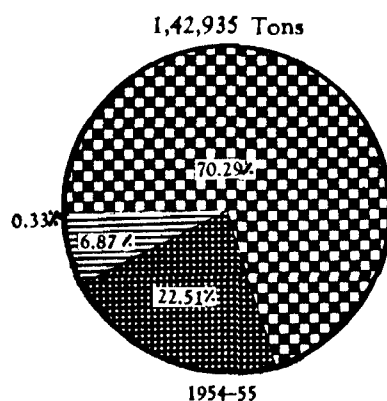
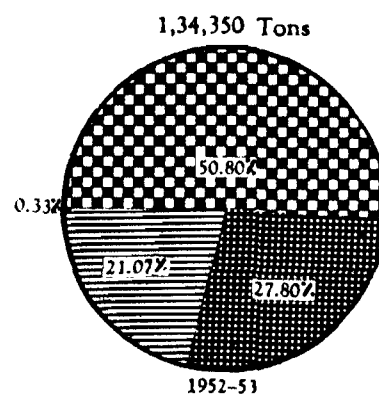
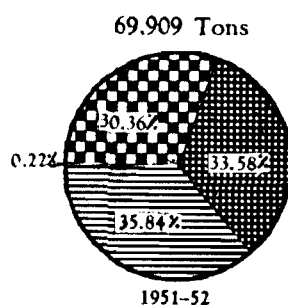
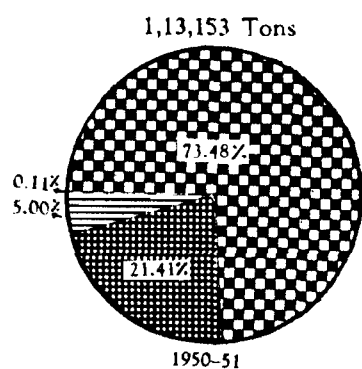
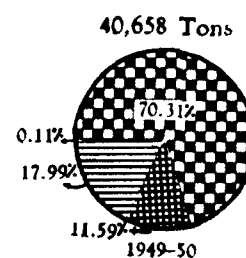
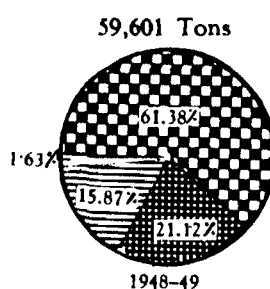
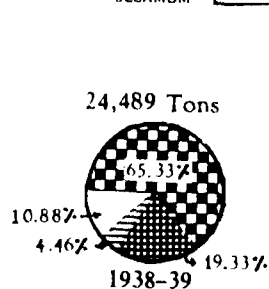
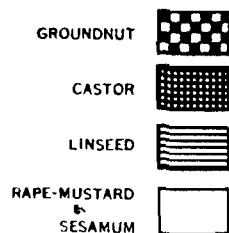


# **PATTERN OF EXPORTS OF THE FIVE MAJOR OILS FROM INDIA**

(FIGURES ON THE TOP OF EACH CIRCLE REPRESENT TONS OF THE FIVE MAJOR OILS EXPORTED IN THE YEAR)

(EXPORTS BY SEA AND AIR)

## **INDEX**



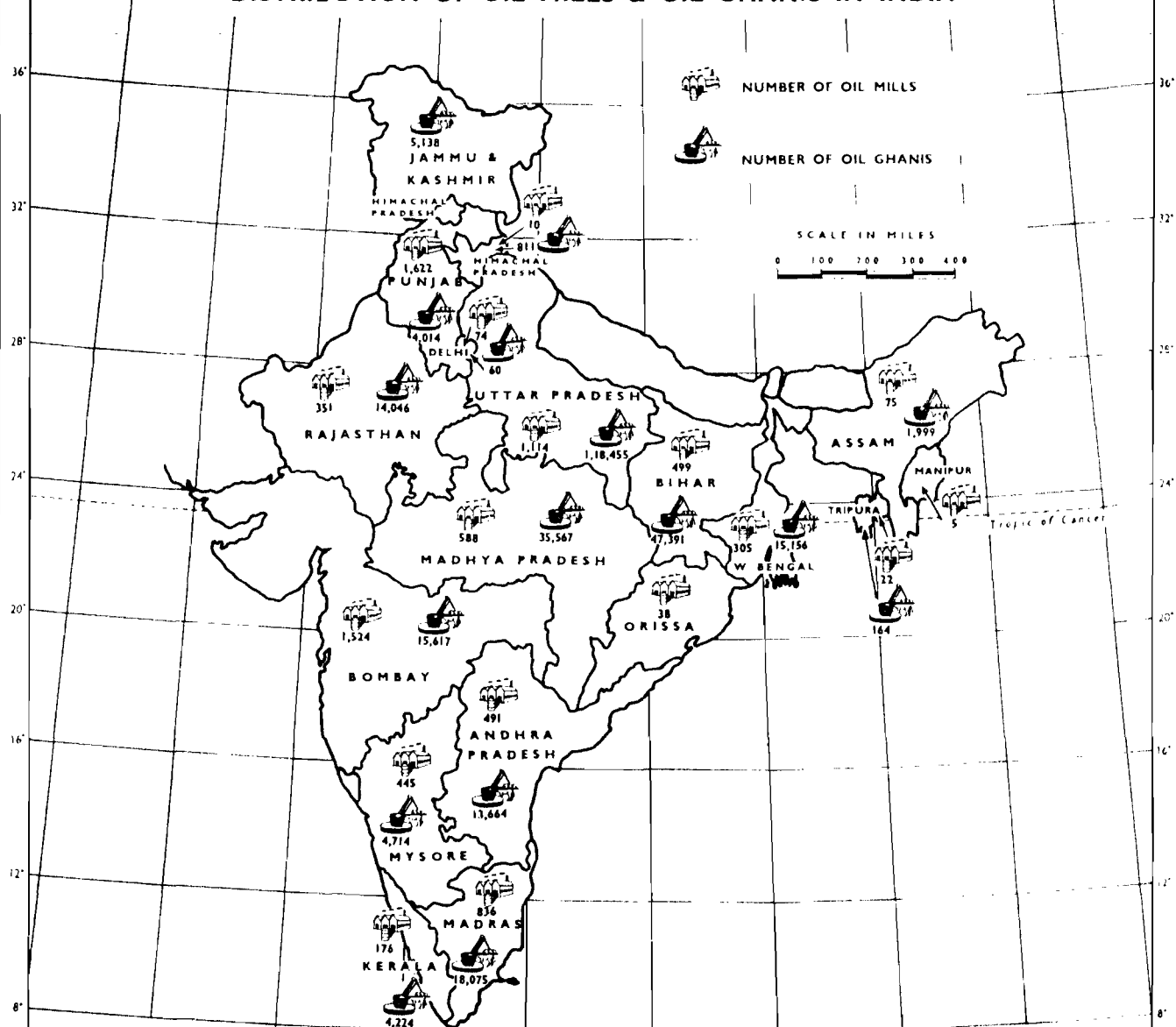
**TABLE No. 48**  
**NUMBER OF OIL MILLS AND OIL GHANIS IN INDIA**  
*(March-April 1956)*

Serial No.	State									Number of oil mills	Number of oil ghanis
1.	Andhra Pradesh	..	..	..	..	..	..	..	..	491	13,664
2.	Assam	..	..	..	..	..	..	..	..	75	1,999
3.	Bihar	..	..	..	..	..	..	..	..	499	47,391
4.	Bombay	..	..	..	..	..	..	..	..	1,524	15,617
5.	Jammu and Kashmir	..	..	..	..	..	..	..	..	—	5,138
6.	Kerala	..	..	..	..	..	..	..	..	176	4,224
7.	Madhya Pradesh	..	..	..	..	..	..	..	..	588	35,567
8.	Madras	..	..	..	..	..	..	..	..	836	18,075
9.	Mysore	..	..	..	..	..	..	..	..	445	4,714
10.	Orissa	..	..	..	..	..	..	..	..	38	—
11.	Punjab	..	..	..	..	..	..	..	..	1,622	4,014
12.	Rajasthan	..	..	..	..	..	..	..	..	351	14,046
13.	Uttar Pradesh	..	..	..	..	..	..	..	..	1,114	1,18,455
14.	West Bengal	..	..	..	..	..	..	..	..	305	15,156
15.	Delhi	..	..	..	..	..	..	..	..	74	60
16.	Himachal Pradesh	..	..	..	..	..	..	..	..	10	811
17.	Manipur	..	..	..	..	..	..	..	..	5	—
18.	Tripura	..	..	..	..	..	..	..	..	22	164
	<b>India</b>	..	..	..	..	..	..	..	..	<b>8,175</b>	<b>2,99,095</b>

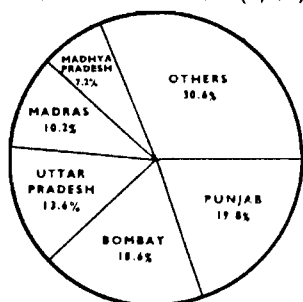
*Source : Oil mills — Collectorates of Central Excise, Government of India.*

*Oil ghanis — Indian Live Stock Census, 1956.*

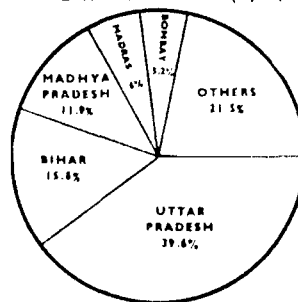
# DISTRIBUTION OF OIL MILLS & OIL GHANIS IN INDIA



NO. OF OIL MILLS AS PERCENTAGE  
OF ALL INDIA TOTAL (8,175)



NO. OF OIL GHANIS AS PERCENTAGE  
OF ALL INDIA TOTAL (2,99,095)



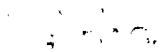
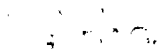
DATA AS IN MARCH-APRIL 1954

TABLE No. 49  
VANASPATI INDUSTRY IN INDIA  
(March 1956)

Serial No.	State			Number of Factories in operation on 31-3-56	Aggregate installed capacity in tons per day of 24 hours	Number of Factories not in operation on 31-3-56	Aggregate installed capacity in tons per day of 24 hours
1.	Andhra Pradesh	..	..	2	68	4	65
2.	Bihar	..	..	1	45	—	—
3.	Bombay	..	..	14	564	7	110
4.	Kerala	..	..	1	10	1	10
5.	Madhya Pradesh	..	..	1	25	—	—
6.	Madras	..	..	3	47	3	50
7.	Mysore	..	..	3	21	1	10
8.	Orissa	..	..	—	—	1	25
9.	Punjab	..	..	2	35	1	10
10.	Uttar Pradesh	..	..	4	201	1	15
11.	West Bengal	..	..	6	209	1	25
12.	Delhi	..	..	2	140	—	—
	<b>India</b>	..		<b>39</b>	<b>1,365</b>	<b>20</b>	<b>320</b>

*Source : Vanaspati Manufacturers' Association of India.*

*Journal of Management Education*

[illegible]

*Journal of Management Education*

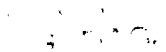
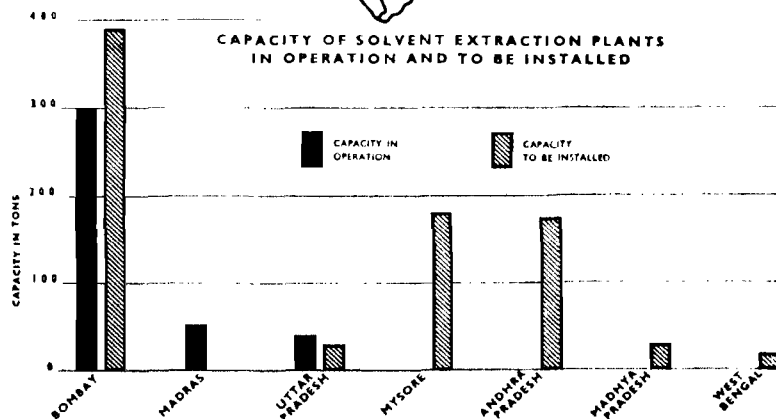
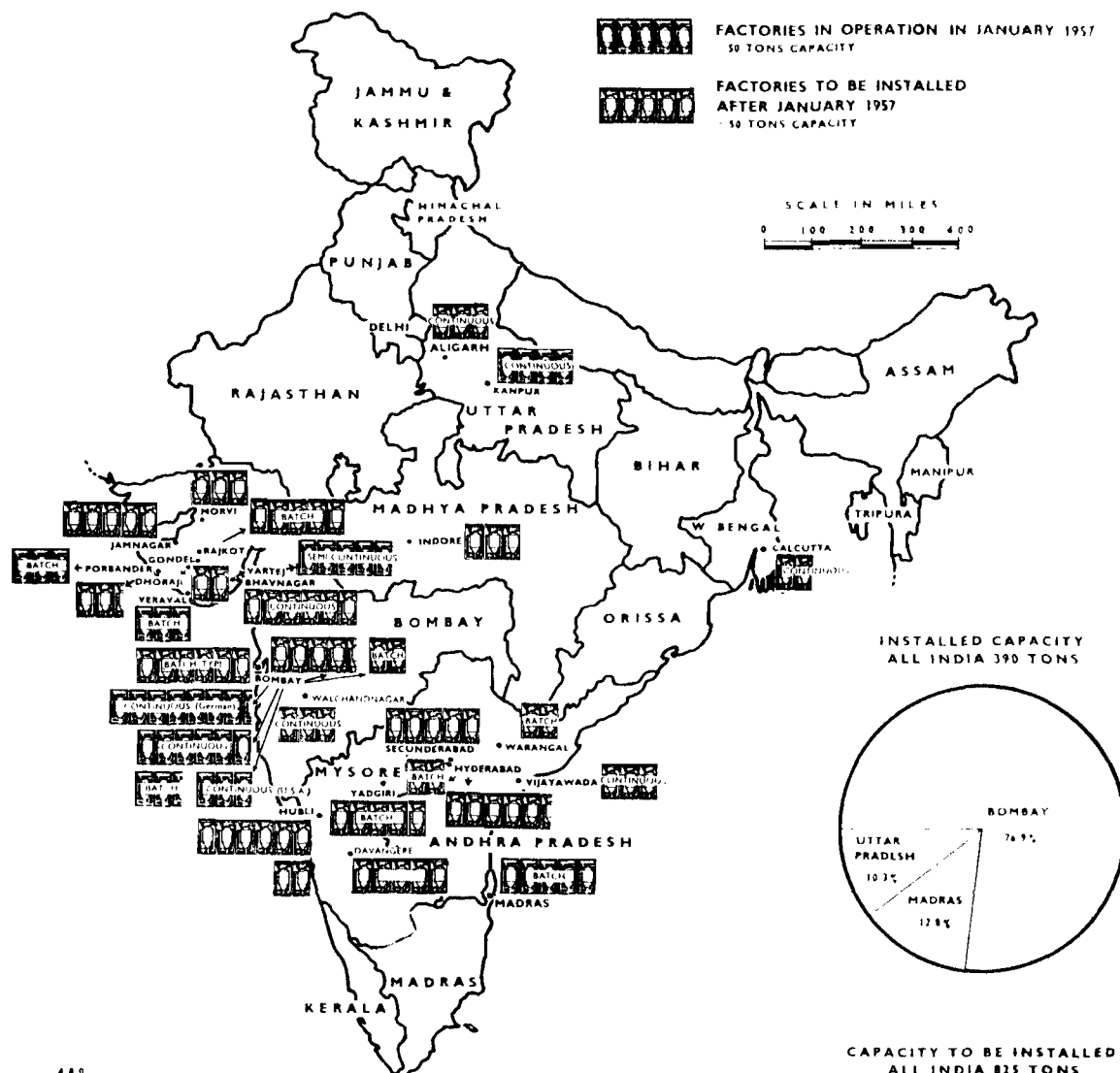


TABLE No. 50  
SOLVENT EXTRACTION OF VEGETABLE OILS IN INDIA  
(January 1957)

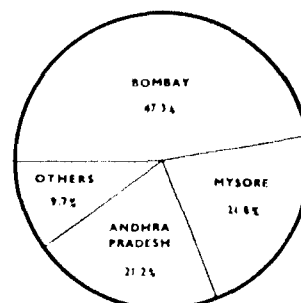
Serial No.	State			Number of Factories in operation	Aggregate installed capacity in tons per day	Number of Factories proposed to be set up	Aggregate installed capacity in tons per day
1.	Andhra Pradesh	..	..	—	—	5	175
2.	Bombay	..	..	7	300	10	390
3.	Madhya Pradesh	..	..	—	—	1	30
4.	Madras	..	..	1	50	—	—
5.	Mysore	..	..	—	—	4	180
6.	Uttar Pradesh	..	..	1	40	1	30
7.	West Bengal	..	..	—	—	1	20
	<b>India</b>	..	..	<b>9</b>	<b>390</b>	<b>22</b>	<b>825</b>

*Source : Ministry of Food and Agriculture, Government of India.*

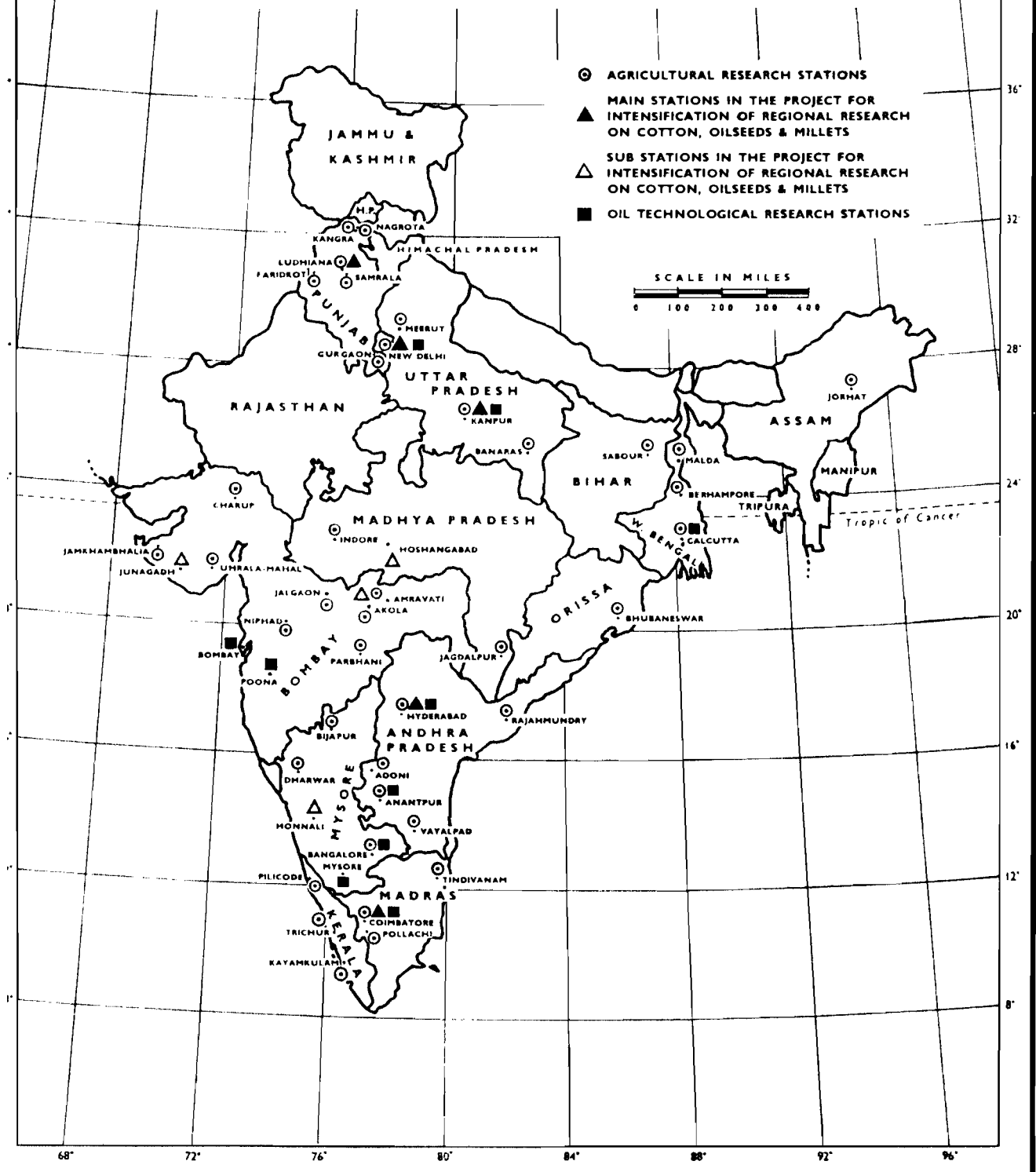
## SOLVENT EXTRACTION PLANTS IN INDIA



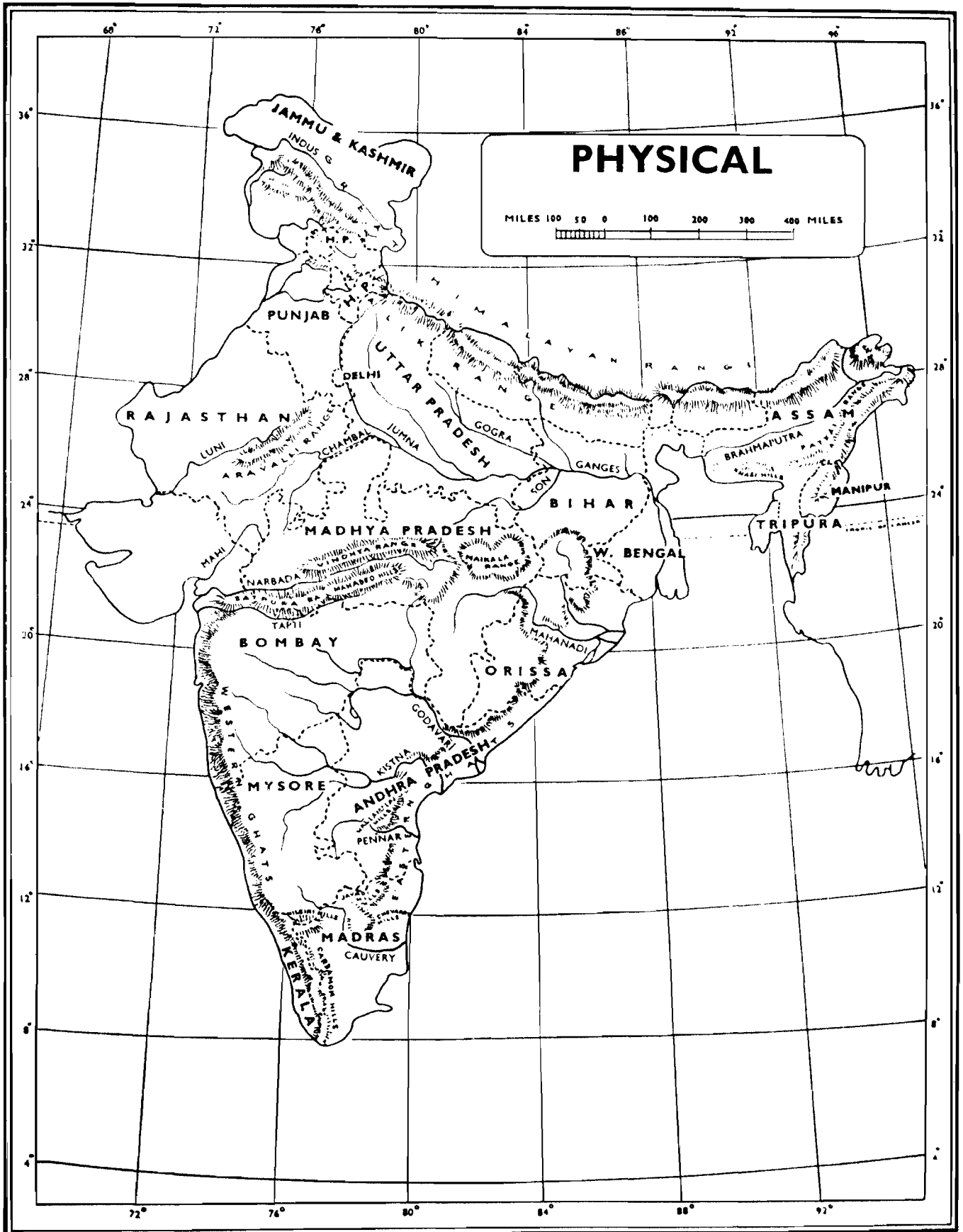
**CAPACITY TO BE INSTALLED ALL INDIA 825 TONS**



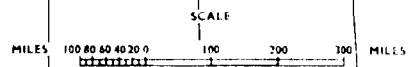
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RESEARCH ON OILSEEDS & OILS FINANCED  
BY THE INDIAN CENTRAL OILSEEDS COMMITTEE**







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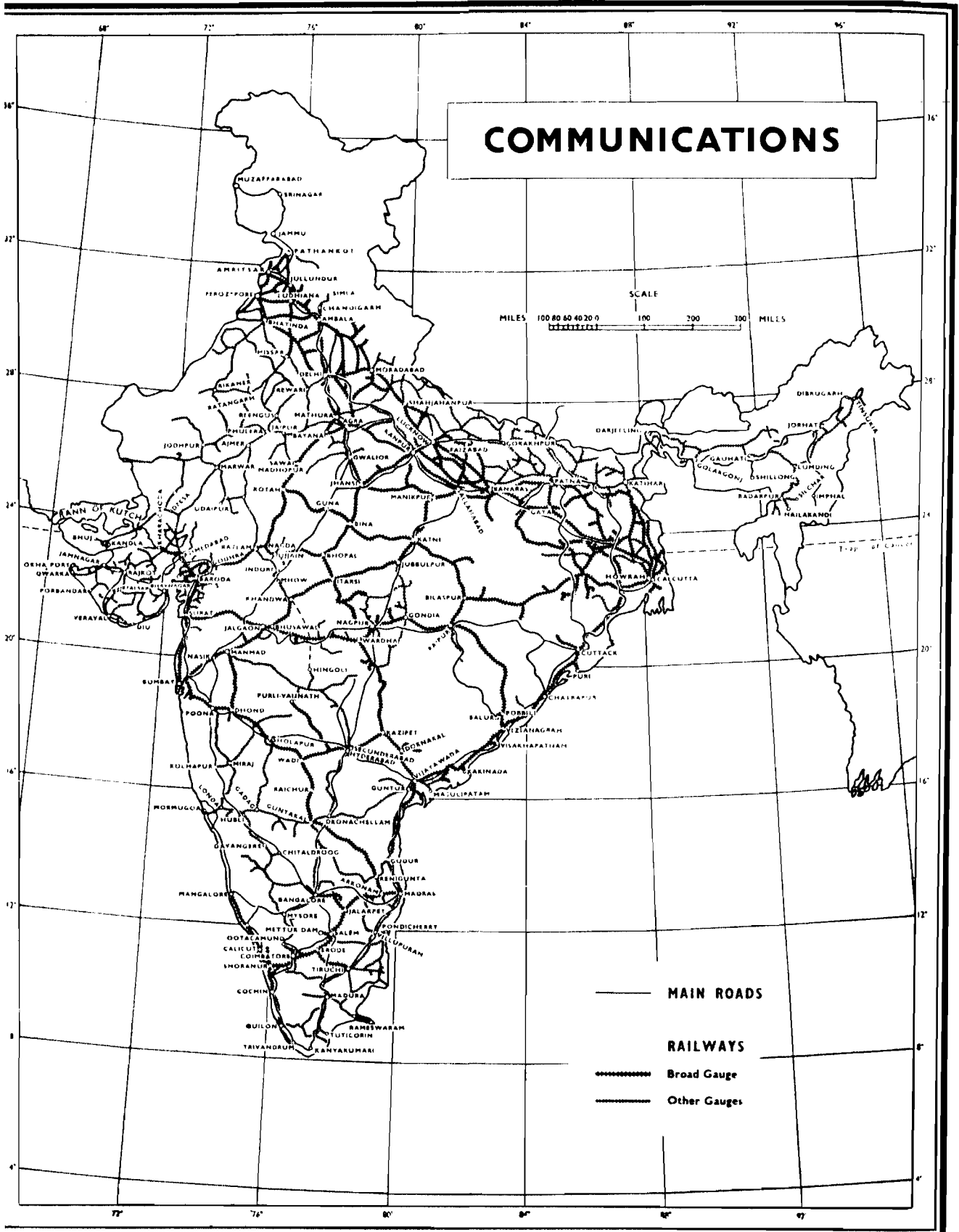


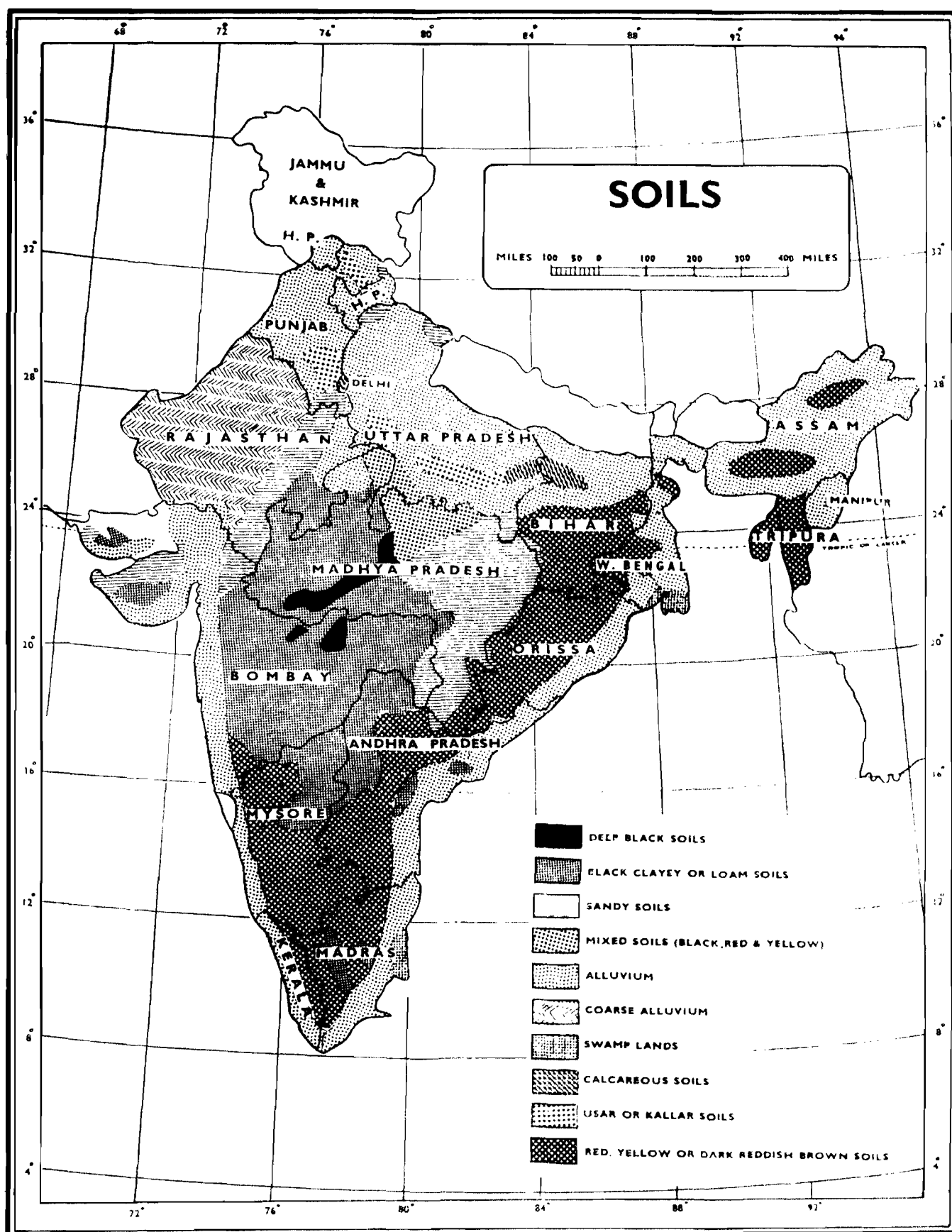
— MAIN ROADS

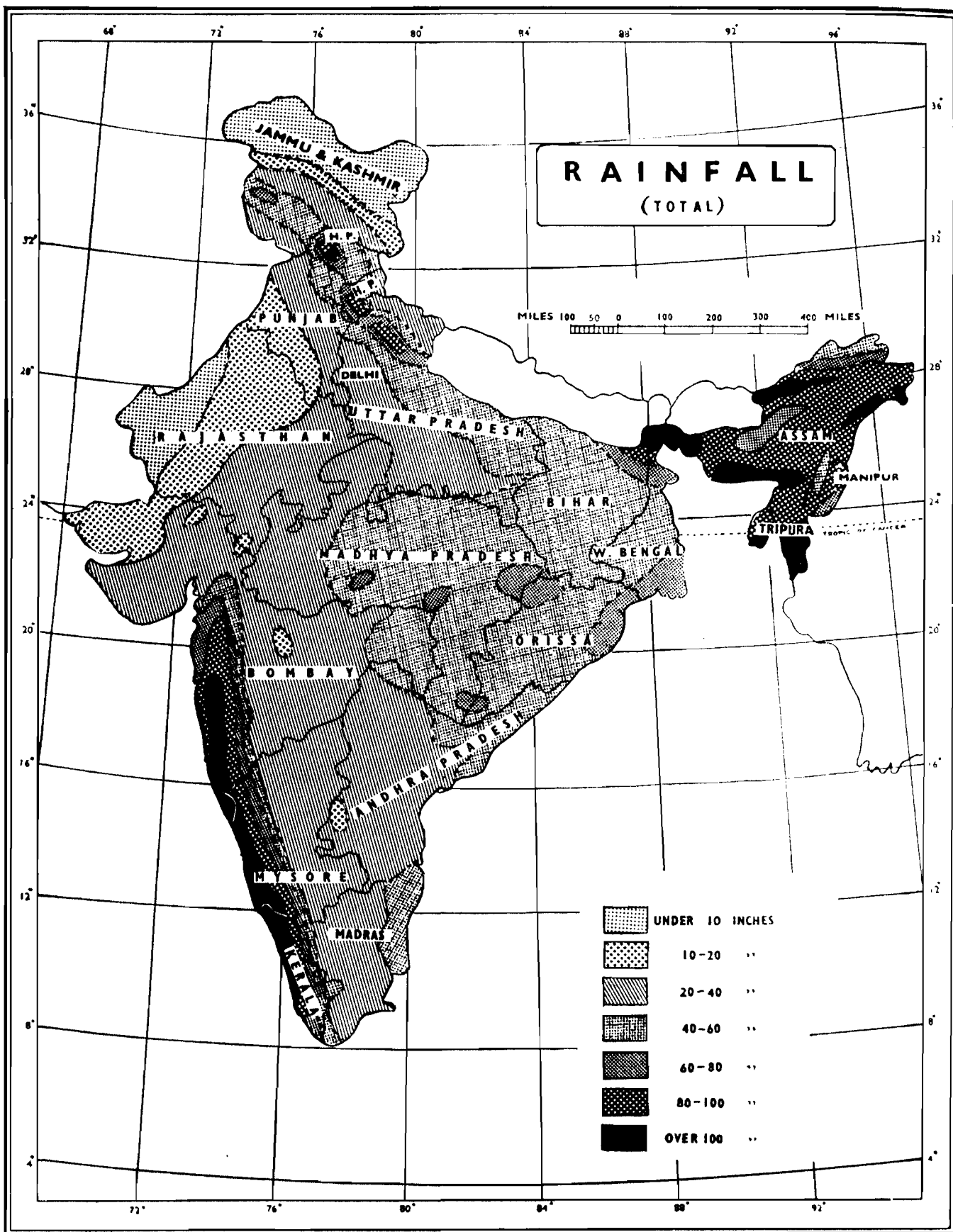
RAILWAYS

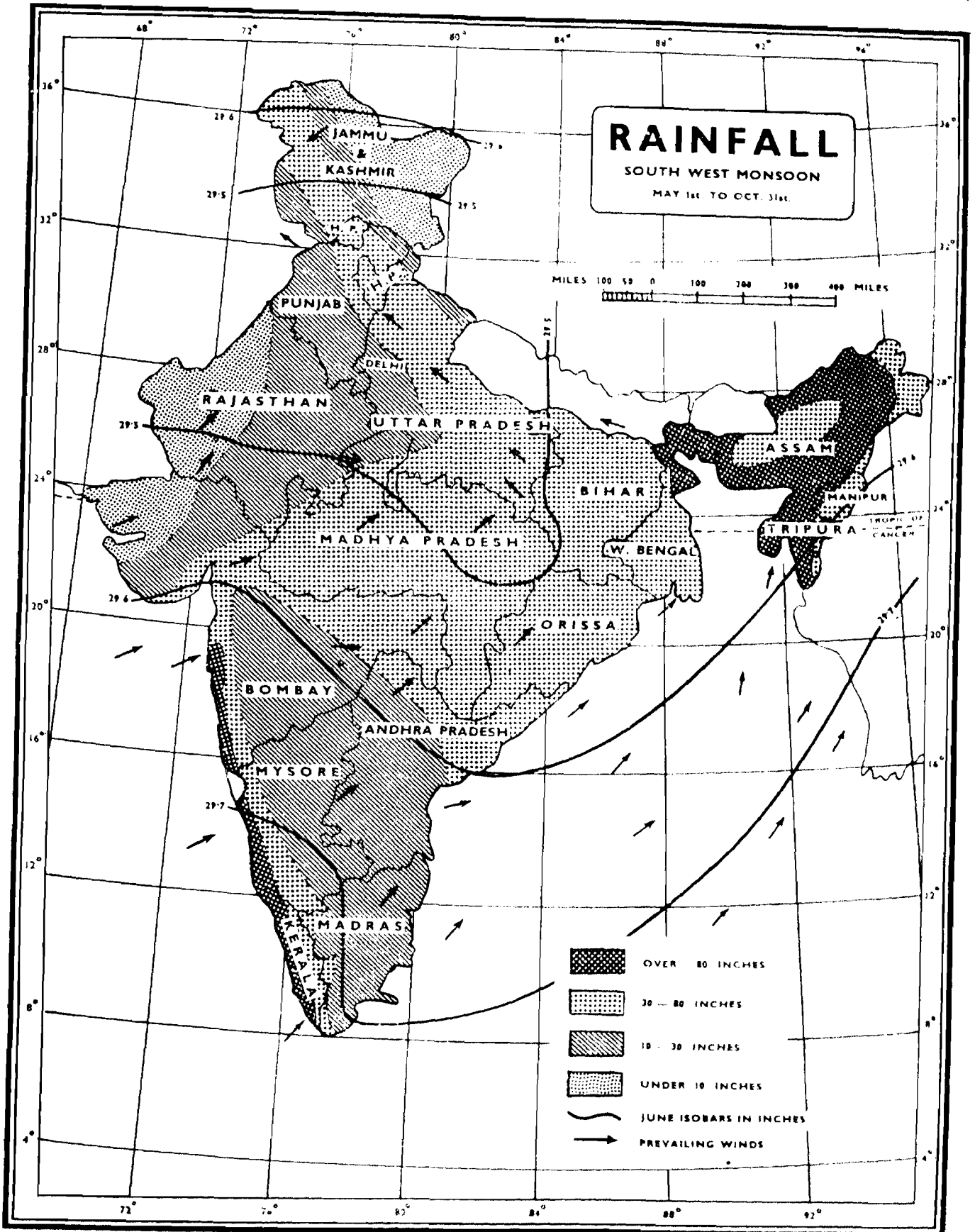
•••••••••• Broad Gauge

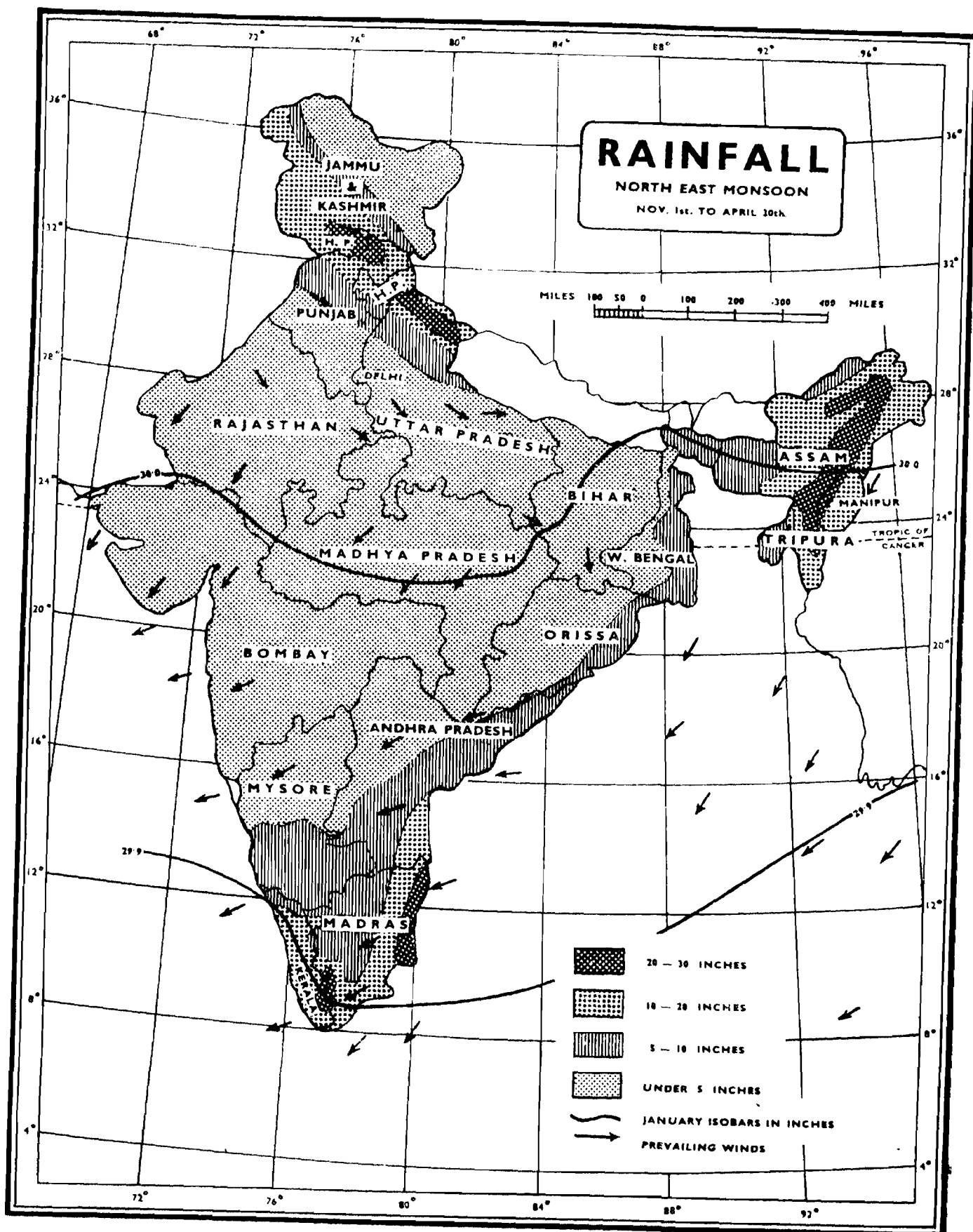
———— Other Gauges













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